



LIFE SCIENCES PRODUCTS CATALOG

2023-6 118p



www.biocomma.com ● ● ● ●

 HROMalytic +61(0)3 9762 2034 ECHnology Pty Ltd	Australian Distributors Importers & Manufacturers www.chromtech.net.au
Website NEW : www.chromalytic.net.au E-mail : info@chromtech.net.au Tel: 03 9762 2034 . . . in AUSTRALIA	



Company Profile

Biocomma's mission is providing innovative consumables and comprehensive solutions based on innovations of materials to global clients in sciences and healthcare fields.

Since Biocomma established in 2006, we continue to increase R&D and engineering investment to build a technical innovation and industrialization platform which focus on polymer filtration materials, adsorption materials, and biological membrane materials. Also, technical breakthrough has been realized in related materials

Biocomma's accumulation of years of consumable categories covers the collection, transportation, filtration, separation, purification, preservation, culture, etc. In addition, we also lay out respiratory care and disposable sterile medical consumables. Our products can be widely applied to scientific research, analysis and testing, drug research and development, in vitro diagnosis, medical rehabilitation and other fields.

After years of growth and development, Biocomma's products have been widely recognized by the market. Now we have become an important supplier of laboratory filters, gene synthesis tools, sample collection and other consumable products. We established close cooperation with dozens of industry leaders worldwide, and our business covers more than 50 countries and regions.





Erlenmeyer Culture Flasks

Designed for shaker culture applications and storage.

- Vent cap with 0.22 μm PTFE membrane
- DNase/ RNase free, pyrogen free
- Individual sterile packaging



Contents

01

NUCLEIC ACID PURIFICATION

Plasmid Miniprep Columns	4
Plasmid Miniprep Columns (Large-Scale)	5
Large-Volume Plasmid Miniprep	6
Columns	6
Plasmid Midiprep Columns	7
Plasmid Maxiprep Columns	8
Genomic DNA Extraction Columns	9
DNA Cleanup & Gel Purification Columns	10
Micro-Scale DNA Purification Columns	11
RNA Extraction Columns	12
Plasmid Preparation Columns	13
(Anion-exchange)	13
High-Throughput Extraction Plates	14
CommaXP® Nucleic Acid Purification Kits	15
Magnetic Beads	16
Silica Membrane	16
biocomma® Nucleic Acid Purification Kits	17

02

PROTEOMICS

Protein Purification Prepacked Columns	19
G-25 Desalting Purification Cartridges	21
GICA Optimizer	21
Prestained Protein Ladder	22

03

READY TO USE LABORATORY REAGENTS Biological

Buffers	24
Phosphate Buffered Saline (PBS) Powder	25
Cell Culture Medium	26
Gram Stain	27

04

LABORATORY FILTRATION CONSUMABLES

UHMW-PE Frits	30
Hydrophobic Frits	33
Hydrophilic Frits	34
Frits for Solid Phase Extraction (SPE)	35
Cartridges	35
Frits for Affinity Chromatography (AC) Columns	36
Frits for Nucleic Acid Purification Spin Columns	37
Frits for Oligo Synthesis Columns	38
Frits for SPPS Reactors	38
Dissolution Filters	39
Other Frits	40
PTFE Frits	40
Glass Fiber Frits	40
Frit Assemblies for HbA1c Analysis	41
Frits for Ion Chromatography (IC)	41
Columns	41
Macroporous Frits	41
Flash Frits	41
Air Filtration Frits	41
Empty Solid Phase Extraction	43
(SPE) Cartridges with Frits	43
Empty Luer-Inlet SPE Cartridges	44
Empty Rimless SPE Cartridges	44
Empty Glass SPE Cartridges	44
Empty SPE Multi-Well Plates	44
Empty SPE Cartridges Kits	45
Empty Affinity Chromatography (AC) Columns	47
Empty Luer-Inlet AC Columns	47
Empty FPLC Columns	48
Empty Screw Cap Spin Columns	49

Empty Micro-spin Chromatography Columns	50
Empty Spin Chromatography Columns	50
Empty Affinity Chromatography (AC)	51
Column Kits	51
Empty Rimless Solid Phase Synthesis Columns	52
Centrifugal Filters	54
Empty Spin Columns	55
Empty Gravity Flow Nucleic Acid Purification Columns	57
Filtration Cartridges (with Plunger)	58
Paper Filters	58
SpinFlow® Lysis Filtration Columns	59
Empty Straight-Barrel Tubes	60
Empty Luer-Inlet Tubes	60
Empty Rimless Tubes	60
Empty Glass Tubes	61
Connectors	61
Flow Regulators	61
Fixing Rings	61
Upper and Bottom Caps	62
96-Well Filtration Plates	64
DVfree™ 96-Well Filtration Plates	65
DVfree™ 384-Well Filtration Plates	66
24-Well Micro-Filter Plates	67
96-Well Micro-Filter Plates	68
Microfiltration Membranes	69
Syringe Filters	70
Sterile Syringe Filters	71

05

GENERAL LABORATORY CONSUMABLES

High-Speed Centrifuge Membrane	73
Disposable Nitrile Gloves	73
Collection Plates	74
Silicone Sealing Mats	75
Heat Sealing Foils	75
Reagent Reservoirs	76
Tip Combs	76
Centrifuge Tubes	77
Cryogenic Vials	77
Preservation Tubes	78
Autosampler Vials	79
Proteinase K	80

80	
ELISA Microplates	81
Cell Culture Dishes	81

06

LABORATORY EQUIPMENT

M32 Nucleic Acid Extraction System	83
M48 Nucleic Acid Extraction System	84
M96 Nucleic Acid Extraction System	85
DC48 Automated Sample	86
Preparation System	86
BP96A Automated Liquid Handling Workstation	87
DC10 Automated Screw Cap Capper/Decapper	88
DY-02 Blood Spot Dryer	89
BCM2500 Multifunctional Vortex Mixer	90
SDC-3000 Multi-Tube Vortex Mixer	91
BCN9602 96-Well Plate Nitrogen Evaporator	92
BCN9603 96-Well Plate Intelligent Nitrogen Evaporator	93
NFW80 High-Throughput Automated Nitrogen Evaporator	94
BN24 Intelligent Water-Bath Nitrogen Evaporator	95
SPEMF Solid Phase Extraction Vacuum Manifold	96
Vacuum Manifolds	97
Vacuum Pump	97
BCY96 Positive Pressure 96 Processor	98
BCS901 Heat Sealer	99
TWM160 Cyclone Mill	100
TD100 Knife Mill	101
WT-10 Thermostatic Water Bath	102
TS-60 Incubator Shaker	103
MTB-100 Dry Block Incubator	104
CF14 High Speed Refrigerated Centrifuge	105
H16GM High Speed Centrifuge	106
UGF Noiseless Ultrasonic Cleaner	107
Manual Pipettes	108
Bottletop Dispensers	108
HZK Series Balance	109
HZY Series Balance	109
HZ Series Balance	109

07

OEM & CUSTOMIZED SERVICE

Filters & Frits	112
Precision Injection	112
Phosphate Buffered Saline (PBS) Powder	112

01

NUCLEIC ACID PURIFICATION



Plasmid Miniprep Columns

CommaXP® Plasmid Miniprep Columns are supplied with spin columns and collection tubes. The columns are based on silica membrane technology and provide fast and reliable extraction of high quality plasmid with a binding capacity of 30 µg. Extracted plasmid is ready to use in many downstream applications, including restriction digestion, ligation and transformation, PCR, sequencing and library construction.

Features

- Up to 30 µg high purity plasmid DNA
- High quality with reproducible yields
- Single protocol for high or low copy plasmids
- High quality silica membrane ensures stable performance and good repeatability
- Suitable for various downstream applications

Typical results

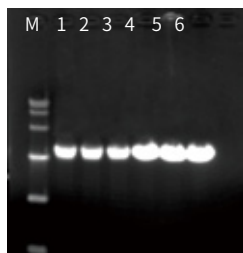


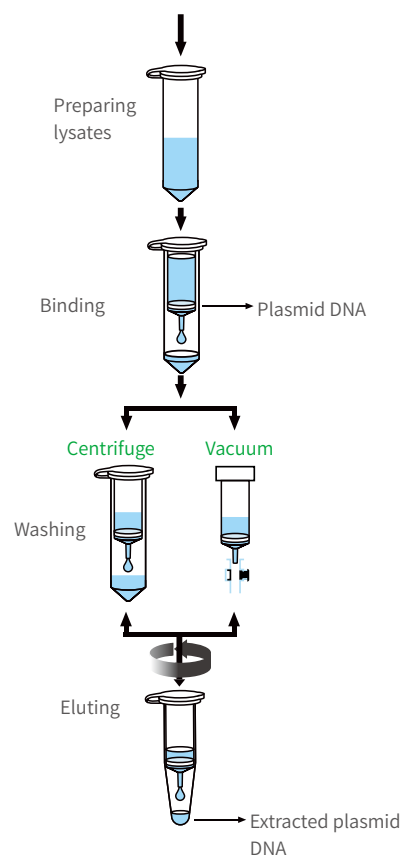
Figure 1: Plasmid DNA extracted using various columns pUC19 was extracted from 4 mL overnight E.coli (DH5a) using columns made by company T and CommaPrep™ NP30-A, and the elution volume was 75 µL. Then analyze by electrophoresis on a 1% agarose gel the sample volume is 2 µL for AGE.

Lane M: DNA Marker
Lane 1-3: Column from company T
Lane 4-6: CommaPrep™ NP30-A

The yield of plasmid DNA extracted using various columns:

	A260/280	Concentration(ng/µL)	Yield(µg)
Column from company A	1.92	312	25
Column from company T	1.96	300	24
Biocomma NP30	1.86	350	28
Biocomma NP30	1.82	325	26
Biocomma NP30	1.91	350	28
Biocomma NP30	1.88	337	27
Biocomma HP50	2.01	800	80
Biocomma HP50	2.03	850	85

Experimental overview



Ordering Information

Cat. #	Description	Volume	Yield	Qty.
NP30	CommaXP® Plasmid Miniprep Columns, Capless spin columns, Blue fixing rings	2 mL, 800 µL	~30 µg	500 Pcs/PK
NP30-A	CommaXP® Plasmid Miniprep Columns, Capped spin columns, Blue fixing rings	2 mL, 800 µL	~30 µg	500 Pcs/PK
MNP001-1	CommaXP® Mini Plasmid Purification Kit (Spin Column)			50 Pcs/PK
MNP016-1	CommaXP® Rapid Plasmid Miniprep Kit			50 Pcs/PK

Note: 60-100 µL elution volume and 1-6 mL bacteria culture are recommended for NP30 series.

Plasmid Miniprep Columns (Large-Scale)

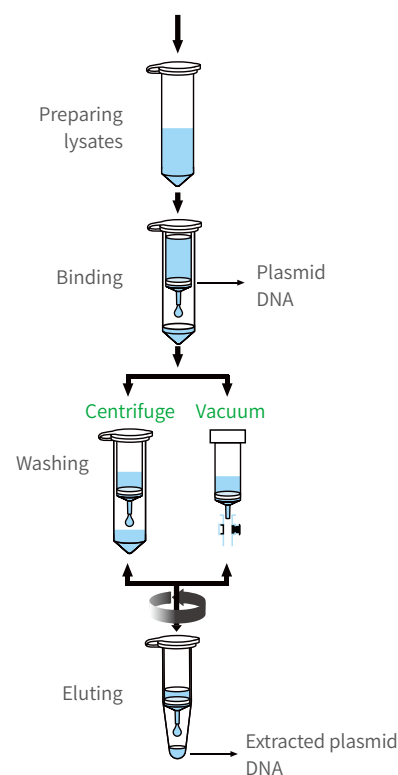
CommaXP® Plasmid Miniprep Columns (Large-Scale) are supplied with spin columns and collection tubes, which are large-scale versions with a binding capacity of 80 µg. The columns are based on silica membrane technology and provide fast and reliable extraction of high quality plasmid. Extracted plasmid is ready to use in many downstream applications, including restriction digestion, ligation and transformation, PCR, sequencing and library construction.

Features

- Large sample volume to improve experimental efficiency
- Simple procedures and easy to operate
- High yield: up to 80 µg high purity plasmid DNA



Experimental overview



Ordering Information

Cat. #	Description	Volume	Yield	Qty.
HP50	CommaXP® Plasmid Miniprep Columns, Large-Scale, Capless spin columns, White fixing rings	2 mL, 800 µL	~80 µg	500 Pcs/PK
HP50-A	CommaXP® Plasmid Miniprep Columns, Large-Scale, Capped spin columns, White fixing rings	2 mL, 800 µL	~80 µg	500 Pcs/PK

Note: 80-120 µL elution volume and 8-15 mL bacteria culture are recommended for HP50 series.



Large-Volume Plasmid Miniprep Columns

CommaXP® Large-Volume Plasmid Miniprep Columns are supplied with spin columns, extension tubes, connectors and collection tubes. The columns allow large sample volume and normal elution volume with a binding capacity of 120 µg. Extracted plasmid is ready to use in many downstream applications, including restriction digestion, ligation and transformation, PCR, sequencing and library construction.

Features

- Large sample volume to improve experimental efficiency
- Reduce sampling times and easy to operate
- High yield: up to 150 µg high purity plasmid DNA
- Options: columns can connect with vacuum

Typical results

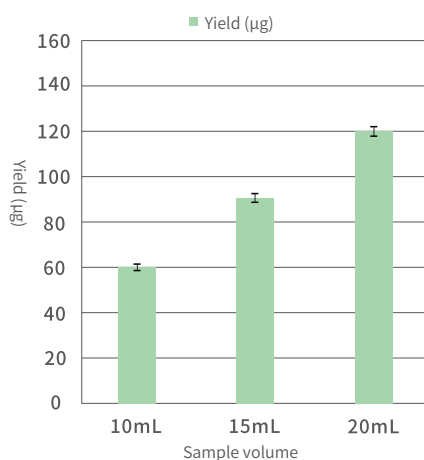
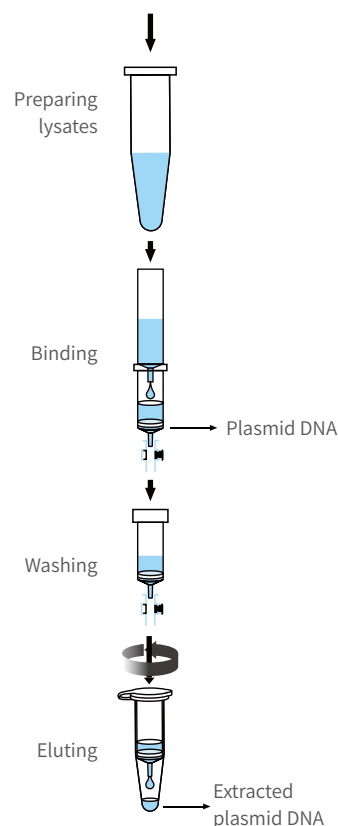


Figure 1: The yield of plasmid DNA extracted from different volumes

Experimental overview



Ordering Information

Cat. #	Description	Yield	Qty.
EP50-03	CommaXP® Large-Volume Plasmid Miniprep Columns, 3 mL extension tubes, capless spin columns, white fixing rings	~60 µg	50 Pcs/PK
EP50-03A	CommaXP® Large-Volume Plasmid Miniprep Columns, 3 mL extension tubes, capped spin columns, white fixing rings	~60 µg	50 Pcs/PK
EP50-06	CommaXP® Large-Volume Plasmid Miniprep Columns, 6 mL extension tubes, capless spin columns, white fixing rings	~80 µg	50 Pcs/PK
EP50-06A	CommaXP® Large-Volume Plasmid Miniprep Columns, 6 mL extension tubes, capped spin columns, white fixing rings	~80 µg	50 Pcs/PK
EP50-12	CommaXP® Large-Volume Plasmid Miniprep Columns, 12 mL extension tubes, capless spin columns, white fixing rings	~120 µg	50 Pcs/PK
EP50-12A	CommaXP® Large-Volume Plasmid Miniprep Columns, 12 mL extension tubes, capped spin columns, white fixing rings	~120 µg	50 Pcs/PK

Note: 60-100 µL, 80-100 µL, 100-120 µL elution volume and 8-12 mL, 10-15 mL, 15-20 mL bacteria culture are recommended for EP50-03, EP50-06, EP50-12 respectively.

Plasmid Midiprep Columns

CommaXP® Plasmid Midiprep Columns are supplied with spin columns and collection tubes. The columns are based on silica membrane technology and provide fast and reliable extraction of high quality plasmid with a binding capacity of 100 µg (NP100) or 200 µg (HP200). Extracted plasmid is ready to use in many downstream applications, including restriction digestion, ligation and transformation, PCR, sequencing and library construction.

Features

- Up to 100-200 µg high purity plasmid DNA
- Simple procedures and easy to operate
- Suitable for various downstream applications

Typical results

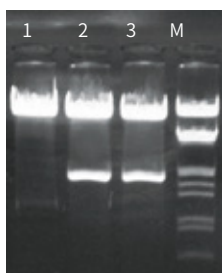


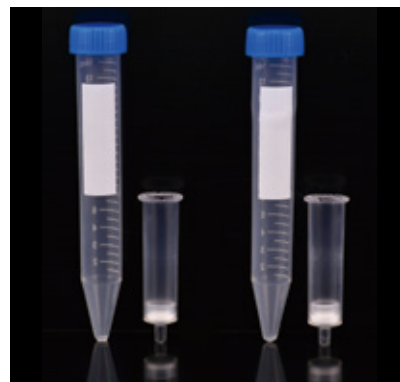
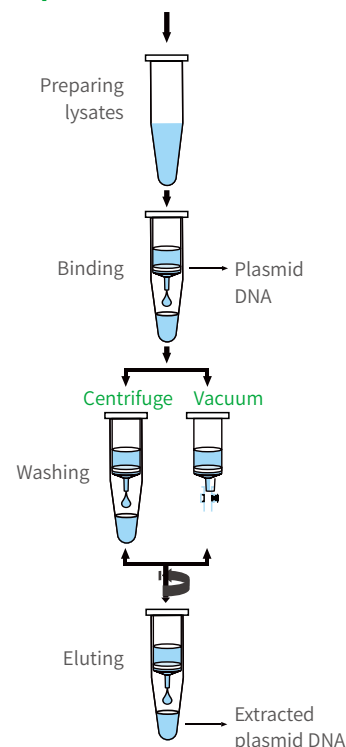
Figure 1: Plasmid DNA analysed by restriction digestion
Lane 1: Plasmid pET32a
Lanes 2-3: Plasmid by restriction digestion

Ordering Information

Cat. #	Description	Volume	Yield	Qty.
NP100	CommaXP® Plasmid Midiprep Columns	15 mL, 4 mL	~100 µg	50 Pcs/PK
HP200	CommaXP® High-yield Plasmid Midiprep Columns	15 mL, 4 mL	~200 µg	50 Pcs/PK
MNP001-3	CommaXP® Plasmid Midiprep Kits (Spin Column)			10 Pcs/PK

Note: 400-800 µL elution volume and 30-50 mL bacteria culture are recommended for Plasmid Midiprep Columns.

Experimental overview



Plasmid Maxiprep Columns

CommaXP® Plasmid Maxiprep Columns are supplied with spin columns and collection tubes. The columns are based on silica membrane technology and provide fast and reliable extraction of high quality plasmid with a binding capacity of 500 µg (NP500) or 1.5 mg (HP1000). Extracted plasmid is ready to use in many downstream applications, including restriction digestion, ligation and transformation, PCR, sequencing and library construction.

Features

- Up to 500 µg-1.5 mg high purity plasmid DNA
- Simple procedures and easy to operate
- Suitable for various downstream applications

Typical results

Table 1: The yield of plasmid DNA extracted using various columns

Cat. #	A260/280	Concentration (ng/µL)	Yield(µg)
NP500	1.95	300	300
	1.91	337	320
HP1000	2.01	780	780
	1.98	800	800

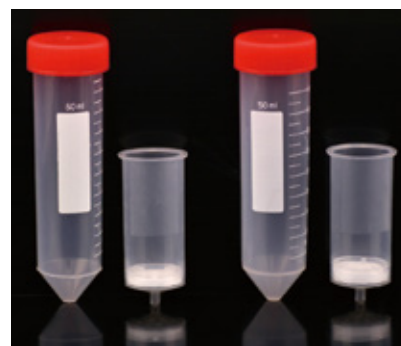
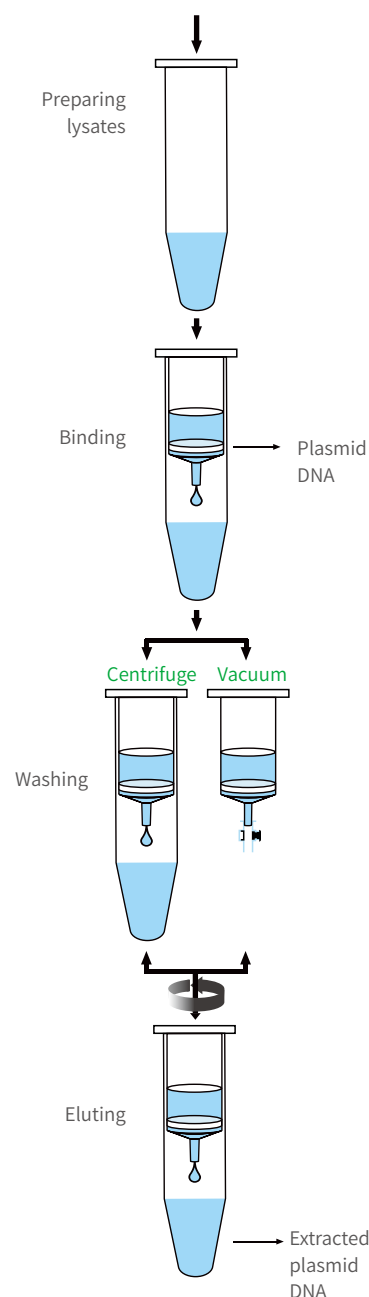
pUC19 was extracted from 120 mL overnight E.coli (DH5a) using columns NP500, HP1000, and the elution volume was 1.0 mL.

Ordering Information

Cat. #	Description	Volume	Yield	Qty.
NP500	CommaXP® Plasmid Maxiprep Columns	50 mL, 22 mL	~500 µg	20 Pcs/PK
HP1000	CommaXP® High-yield Plasmid Maxiprep Columns	50 mL, 22 mL	~1 mg	20 Pcs/PK
MNP001-4	CommaXP® Plasmid Maxiprep Kit (Spin Column)			10 Pcs/PK

Note: 1.0-2.0 mL elution volume and 100-200 mL bacteria culture are recommended for Plasmid Maxiprep Columns.

Experimental overview



Genomic DNA Extraction Columns

CommaXP® Genomic DNA Extraction Columns are supplied with spin columns and collection tubes. The columns provide fast and reliable extraction of high quality DNA from a variety of samples including tissues, cells, plants and blood with a binding capacity of 20 µg. Extracted DNA is ready to use in many downstream applications, including PCR, restriction digestion, sequencing and library construction.

Features

- Up to 20 µg genomic DNA
- Large fragment size and high purity
- High quality and reproducible yields
- Suitable for many kinds of samples and popular reagents

Typical results



Figure 1: Genomic DNA extracted from different samples
Genomic DNA was extracted from soil sample, plant sample, stool sample by CommaPrep™ NP20, and the elution volume was 75 µL. Sample volume was 5 µL for AGE.

Lane 1-3: soil sample genomic DNA
Lane 4-6: plant sample genomic DNA
Lane 7-9: stool sample genomic DNA

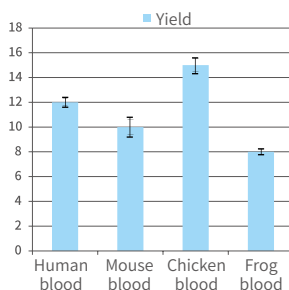
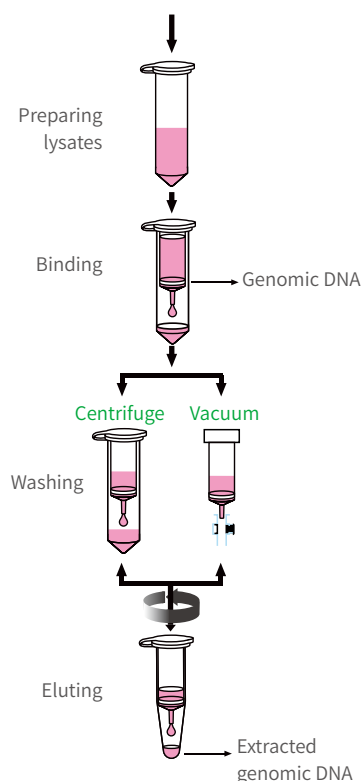


Figure 2: Blood DNA extracted from different samples
Blood DNA was extracted from 100 µL human blood, 100 µL mouse blood, 20 µL chicken blood and 20 µL frog blood, and the elution volume was 80 µL.

Experimental overview



Ordering Information

Cat. #	Description	Volume	Yield	Qty.
NP20	CommaXP® Genomic DNA Extraction Columns, Caplss spin columns, Green fixing rings	2 mL, 800 µL	~25 µg	500 Pcs/PK
NP20-A	CommaXP® Genomic DNA Extraction Columns, Capped spin columns, Green fixing rings	2 mL, 800 µ	~25 µg	500 Pcs/PK
MNP002-1	CommaXP® Blood Genomic DNA Kit (Spin Column)			50 Preps/Kit
MNP004-1	CommaXP® Soil Genomic DNA Kit (Spin Column)			50 Preps/Kit
MNP005-1	CommaXP® Rapid Soil Genomic DNA Kit (Spin Column)			50 Preps/Kit
MNP006-1	CommaXP® Plant Genomic DNA Kit (Spin Column)			50 Preps/Kit
MNP007-1	CommaXP® Quick Plant Genomic DNA Kit (Spin Column)			50 Preps/Kit
MNP011-1	CommaXP® Stool Genomic DNA Kit (Spin Column)			50 Preps/Kit
MNP012-1	CommaXP® Bacteria Genomic DNA Kit (Spin Column)			50 Preps/Kit

DNA Cleanup & Gel Purification Columns

CommaXP® DNA Cleanup & Gel Purification Columns are supplied with spin columns and collection tubes. The columns can purify DNA fragment size of 100 bp-10 kb, and the recovery can be up to 80%. The columns are capable of quickly purifying DNA from TAE or TBE agarose gel or purifying DNA fragments from PCR or other enzymatic reactions. Purified DNA fragments are ready to use in many downstream applications, including PCR, restriction digestion, sequencing and library construction.

Features

- Suitable for gel recovery or PCR fragments purification
- Easy to operate and high recovery rate

Typical results

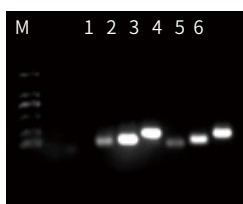
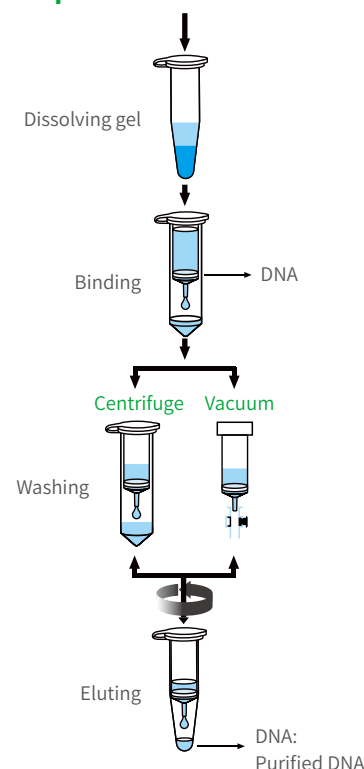


Figure 1: Purified DNA fragments from gel
Lane 1-3: Before purification of 80 bp, 120bp, 200bp DNA
Lane 4-6: After purification of 80 bp, 120bp, 200bp DNA
Gel DNA fragments Purified using CommaPrep™ NP10, elution volume was 50 µL, sample volume was 6 µL for AGE.



Experimental overview



Ordering Information

Cat. #	Description	Volume	Yield	Qty.
NP05	CommaXP® DNA Cleanup & Gel Purification Columns, Mini spin columns, Capless spin columns, White fixing rings	2 mL, 800 µL	~10 µg	500 Pcs/PK
NP10	CommaXP® DNA Cleanup & Gel Purification Columns, Capless spin columns, Yellow fixing rings	2 mL, 800 µL	~10 µg	500 Pcs/PK
NP10-A	CommaXP® DNA Cleanup & Gel Purification Columns, Capped spin columns, Yellow fixing rings	2 mL, 800 µL	~10 µg	500 Pcs/PK
MNP003-1	CommaXP® Gel Purification DNA Purification Kit (Spin Column)			50 Pcs/PK
MNP015-1	CommaXP® PCR DNA Purification Kit (Spin Column)			50 Pcs/PK

Note: 20-50 µL and 30-50 µL elution are recommended to cleanup 1-5 µg and 5-15 µg sample by NP05 and NP10 respectively.

Micro-Scale DNA Purification Columns

CommaXP® Micro-Scale DNA Purification Columns are supplied with spin columns and collection tubes. The columns can purify DNA fragment size of 100 bp-10 kb, and the recovery can be up to 80%. The columns are capable of purifying DNA from TAE or TBE agarose gel or purifying DNA fragments from PCR or other enzymatic reactions. Purified DNA fragments are ready to use in many downstream applications, including PCR, restriction digestion, sequencing and library construction.

Features

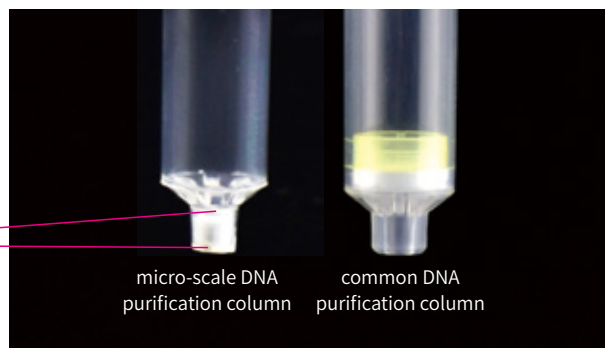
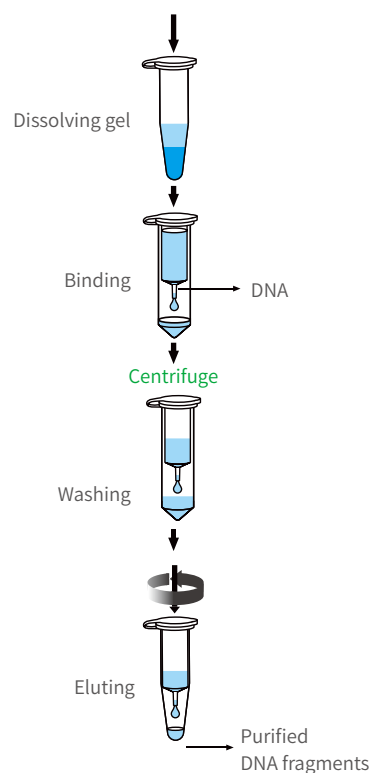
- The elution volume as low as to 8 µL
- Easy to operate and high recovery rate
- Suitable for micro-scale DNA purification
- Suitable for DNA methylation reactions

Typical results

Purified DNA fragments by different elution volumes:

Elution volume	Recovery rate	A_{260}/A_{280}	A_{260}/A_{330}
8 µL	85.2%	1.878	1.913
	86.3%	1.859	2.208
10 µL	85.2%	1.956	2.12
	86.3%	2.039	2.295

Experimental overview



Ordering Information

Cat. #	Description	Volume	Yield	Qty.
MP05	CommaXP® Micro-Scale DNA Purification Columns	2 mL, 800 µL	~5 µg	500 Pcs/PK

RNA Extraction Columns

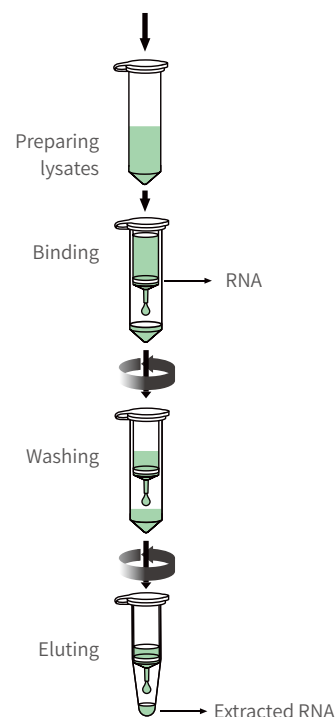
CommaXP® RNA Extraction Columns are supplied with spin columns and collection tubes. The columns provide fast and reliable extraction of high quality RNA from tissues, cells, plants and blood with a binding capacity of 20 µg. Extracted RNA is ready to use in many downstream applications, including Northern Blot, real-time PCR, translation and primer extension.

Features

- Up to 20 µg high purity plasmid RNA
- Good integrity and high purity
- High quality with reproducible yields
- Suitable for many kinds of samples and popular reagents



Experimental overview



Ordering Information

Cat. #	Description	Volume	Yield	Qty.
RP20	CommaXP® RNA Extraction Columns, Capless spin columns, Green fixing rings	2 mL, 800 µL	~25 µg	500 Pcs/PK
RP20-A	CommaXP® RNA Extraction Columns, Capped spin columns, Green fixing rings	2 mL, 800 µL	~25 µg	500 Pcs/PK



Plasmid Preparation Columns (Anion-exchange)

CommaPure™ Plasmid preparation Columns are based on Biocomma's anion-exchange chromatography. The resins are composed of small particles with a uniform particle, to provide high yields and reproducible performance. Extracted plasmid is ready to use in many downstream applications, including sequencing, library construction, transcription, transfection.

Features

- High yield: up to mg-level plasmid DNA
- High purity: equivalent to CsCl gradient centrifugation
- Suitable for high or low copy plasmids

Typical results

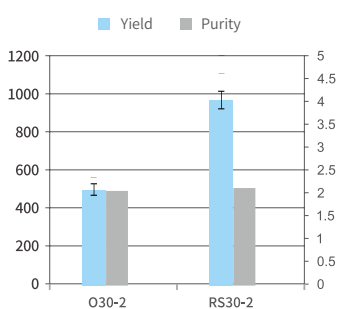
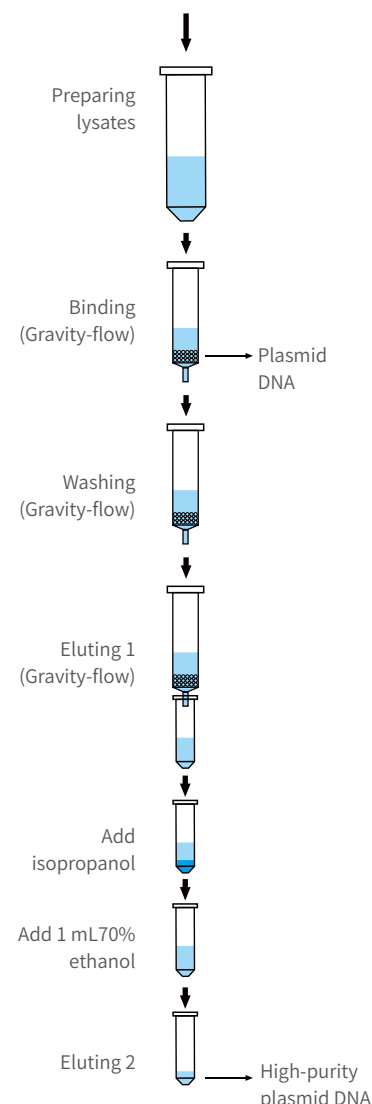


Figure 1: The yield and purity of plasmid DNA extracted using different columns

pUC19 was extracted from 80 mL overnight E.coli (DH5a) using columns O30-2 made by company O and RS30-2 made by Biocomma, and the final elution volume was 1.



Experimental overview



Ordering Information

Cat. #	Description	ColumnVolume	Yield	Qty.
RS30-1	CommaPure™ Plasmid Maxiprep Columns	30 mL	300-600 µg	20 Pcs/PK
RS30-2	CommaPure™ Plasmid Maxiprep Columns	30 mL	500-1000 µg	20 Pcs/PK
RS300-22	CommaPure™ Plasmid Megaprep Columns	300 mL	5-10 mg	10 Pcs/PK
004410-M	Filtration Cartridge, 30 mL, with 2 frits and a plunger			50 Pcs/PK
004412-1	25 mL Paper filter			25 Pcs/PK
Custom Columns				

Note: 80-120 mL and 600-1000 mL bacteria culture are recommended for expected yield of 500-1000 µg and 5-10 mg by RS30-2 and RS300-22 respectively.



High-Throughput Extraction Plates

CommaXP® High-Throughput Extraction Plates are designed for high-throughput samples processing. The plates are suitable for plasmid or genomic DNA extraction, up to 15 µg DNA per well can be achieved.

Extracted DNA is ready to use in many downstream applications, including restriction digestion, ligation and transformation, PCR, sequencing and library construction.

Features

- For high-throughput samples processing
- High quality with reproducible yields
- Suitable for vacuum or centrifuge

Ordering Information

Cat. #	Description	Volume	Yield	Qty.
DNAK9602-N	96-Well Extraction Plates, Full-Skirted	1.0 mL/well	~15 µg/well	4 Pcs/PK
DNAK9603-N	96-Well Extraction Plates, Semi-Skirted, pink fixing ring	1.5 mL/well	~15 µg/well	4 Pcs/PK
DNAK9607-N	96-Well Extraction Plates, Semi-Skirted, clear fixing ring	1.5 mL/well	~15 µg/well	4 Pcs/PK
DNAK3840	384-Well Extraction Plates	150 µL/well	~500 ng/well	4 Pcs/PK

CommaXP® Nucleic Acid Purification Kits

CommaXP® series includes both spin column and magnetic bead methods. The silica membrane and silica-based magnetic beads specifically adsorb and release DNA/RNA. The unique buffer biocomma spe-m5.htm removes the most impurity proteins and other organic compounds. This series of kits can be applied to extract nucleic acids from bacterial fluids, plants, animal tissues, blood, saliva, feces and other samples. The extracted products can be used for various experiments such as enzyme digestion, PCR, sequencing, ligation, transformation and transfection staining and other cell experiments.



Features

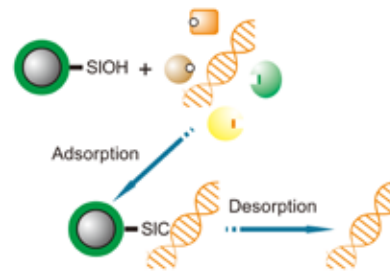
- High adsorption rate and high recovery rate
- No toxic substances such as phenol and chloroform
- High quality with reproducible yields

Ordering Information

Application	Method	Cat. #	Description	Qty.
Plasmid	Spin column	MNP001-1E	CommaXP® Plasmid Miniprep Purification Kit	50 Preps/Kit
	Spin column	MNP001-3E	CommaXP® Plasmid Midiprep Purification Kit	10 Preps/Kit
	Spin column	MNP001-4E	CommaXP® Plasmid Maxiprep Purification Kit	10 Preps/Kit
	Anion-exchange	MRP030-1E	CommaPure™ Plasmid Midiprep Purification Kit	20 Preps/ Kit
	Anion-exchange	MRP300-1E	CommaPure™ Plasmid Maxiprep Purification Kit	5 Preps/Kit
	Magnetic beads	BNP001-1E	CommaXP® Plasmid Miniprep Purification Kit	50 Preps/Kit
	High throughput	MNP019-1E	CommaXP® N96 Plasmid Miniprep Purification Kit	96 Preps/ Kit
Genomic DNA	Spin column	MNP002-1E	CommaXP® Blood Genomic DNA Purification Kit	50 Preps/Kit
	Spin column	MNP004-1E	CommaXP® Soil Genomic DNA Purification Kits	50 Preps/Kit
	Spin column	MNP007-1 E	CommaXP® Quick Plant Genomic DNA Purification Kit	50 Preps/Kit
	Spin column	MNP012-1 E	CommaXP® Bacteria Genomic DNA Purification Kit	50 Preps/Kit
	Spin column	MNP026-1E	CommaXP® Universal Genomic DNA Purification Kit	50 Preps/Kit
	Magnetic beads	BNP002-1E	CommaXP® Blood Genomic DNA Purification Kit	50 Preps/Kit
	Magnetic beads	BNP026-1E	CommaXP® Universal Genomic DNA Purification Kit	50 Preps/Kit
	High throughput	MNP031-1E	CommaXP® N96 Plant Genomic DNA Kit	96 Preps/ Kit
	High throughput	MNP032-1E	CommaXP® N96 Bacteria Genomic DNA Kit	96 Preps/ Kit
DNA Cleanup & Gel	Spin column	MNP003-1E	CommaXP® Gel DNA Purification Kit	50 Preps/Kit
	Spin column	MNP015-1E	CommaXP® PCR DNA Purification Kit	50 Preps/Kit
	Magnetic beads	BNP003-1E	CommaXP® Gel DNA Purification Kit	50 Preps/Kit
	Magnetic beads	BNP015-1E	CommaXP® PCR DNA Purification Kit	50 Preps/Kit
	High throughput	MNP015-96E	CommaXP® PCR DNA Purification Kit	96 Preps/ Kit
Virus DNA/RNA	Spin column	MNP027-1E	CommaXP® Virus DNA/RNA Purification Kit	50 Preps/Kit
	Magnetic beads	BNP027-1E	CommaXP® Virus DNA/RNA Purification Kit	50 Preps/Kit

Magnetic Beads

biocomma® Magnetic Beads are specially designed for nucleic acid extraction and purification. The superparamagnetic Fe_3O_4 core is surrounded a lot of silanol functional groups. The Magnetic Beads can be used manually or achieve high throughput extraction by automated nucleic acid extraction systems.



Features

- Wide range of applicable samples
- High magnetic content, fast magnetic response, easy to isolate
- Good monodispersity
- Uniform particle size, small variance between batches, good repeatability

Ordering Information

Cat. #	Description	Qty.
MSI500-0501-200	Particle size 500 nm, concentration 50 mg/mL, binding capacity 10.5 µg/mg	200 mL/Bottle
MSI500-0511-200	Particle size 500 nm, concentration 50 mg/mL, binding capacity 2.5 µg/mg	200 mL/Bottle
MSI100-0507-200	Particle size 100 nm, concentration 50 mg/mL, binding capacity 12.5 µg/mg	200 mL/Bottle
MSI100-0517-200	Particle size 100 nm, concentration 50 mg/mL, binding capacity 2.0 µg/mg	200 mL/Bottle

Note: Please contact us for more specifications.

Silica Membrane

Silica membrane is a key component in spin columnbased nucleic acid purification technology. Under low pH and chaotropic conditions, nucleic acids specifically bind to silica membrane while polysaccharides and proteins pass through. Impurities are further removed by washing. Finally, under low-salt conditions, nucleic acids are desorbed and eluted from the membrane.



Features

- High quality with high yield and good reproducibility
- Suitable for spin columns or plates

Ordering Information

Cat. #	Description	Qty.
Y-SM-BC-1	Silica Membrane 210*297 mm	100 Sheet /Box
Custom		

biocomma® Nucleic Acid Purification Kits

biocomma® Nucleic Acid Purification Kits can be applied to clinical samples such as blood, tissue, organs, saliva, nasal, etc. The kits remove protein impurities and other organic compounds as much as possible. The extracted DNA/RNA can be directly used for downstream applications such as PCR, RT-PCR, qPCR and qRT-PCR experiment. The method of pre-packed magnetic beads supports automated high-throughput nucleic acid extraction instruments. Relevant reagents were pre-packed in 96-well plates in accordance with the optimal protocol.

Ordering Information

Application	Method	Cat. #	Description	Qty.
2019-nCoV	Prepacked magnetic beads	BNP027-4E	2019-nCoV Nucleic Acid Purification Kits, MB32	32 Preps/Kit
	Prepacked magnetic beads	BNP027-5E	2019-nCoV Nucleic Acid Purification Kits, MB48	96 Preps/Kit
	Prepacked magnetic beads	BNP027-3E	2019-nCoV Nucleic Acid Purification Kits, MB96	48 Preps/Kit
HPV	Prepacked magnetic beads	BNP028-2E	HPV Nucleic Acid Purification Kits, MB32	32 Preps/Kit
	Prepacked magnetic beads	BNP028-3E	HPV Nucleic Acid Purification Kits, MB96	96 Preps/Kit
	Prepacked magnetic beads	BNP028-5E	HPV Nucleic Acid Purification Kits, MB48	48 Preps/Kit
	Magnetic beads	BNP028-1E	HPV Nucleic Acid Purification Kits	50 Preps/Kit
	Spin column	MNP028-1E	HPV Nucleic Acid Purification Kits	50 Preps/Kit
Universal Genomic DNA	Prepacked magnetic beads	BNP026-2E	Universal Genomic DNA Purification Kits, MB32	32 Preps/Kit
	Prepacked magnetic beads	BNP026-3E	Universal Genomic DNA Purification Kits, MB96	96 Preps/Kit
	Prepacked magnetic beads	BNP026-5E	Universal Genomic DNA Purification Kits, MB48	48 Preps/Kit
	Magnetic beads	BNP026-1E	Universal Genomic DNA Purification Kits	50 Preps/Kit
	Spin column	MNP026-1E	Universal Genomic DNA Purification Kits	50 Preps/Kit
Virus	Prepacked magnetic beads	BNP034-2E	Virus DNA/RNA Purification Kits, MB32	32 Preps/Kit
	Prepacked magnetic beads	BNP034-3E	Virus DNA/RNA Purification Kits, MB96	96 Preps/Kit
	Prepacked magnetic beads	BNP034-5E	Virus DNA/RNA Purification Kits, MB48	48 Preps/Kit
	Magnetic beads	BNP034-1E	Virus DNA/RNA Purification Kits	50 Preps/Kit
	Spin column	MNP034-1E	Virus DNA/RNA Purification Kits	50 Preps/Kit
Blood	Prepacked magnetic beads	BNP002-2E	Blood Genomic DNA Purification Kits, MB32	32 Preps/Kit
	Prepacked magnetic beads	BNP002-3E	Blood Genomic DNA Purification Kits, MB96	96 Preps/Kit
	Prepacked magnetic beads	BNP002-5E	Blood Genomic DNA Purification Kits, MB48	48 Preps/Kit
	Magnetic beads	BNP002-1E	Blood Genomic DNA Purification Kits	50 Preps/Kit
	Spin column	MNP002-1E	Blood Genomic DNA Purification Kits	50 Preps/Kit
	Spin column	MNP022-1E	Dry Blood Spots Genomic DNA Purification Kits	50 Preps/Kit
	Spin column	MNP018-1E	Serum and Plasma Circulating DNA Purification Kits	50 Preps/Kit
	Vacumm	MNP033-1E	Serum and Plasma Circulating DNA Purification Kits	50 Preps/Kit
Saliva	Prepacked magnetic beads	BNP021-2E	Saliva Genomic DNA Purification Kits, MB32	32 Preps/Kit
	Prepacked magnetic beads	BNP021-3E	Saliva Genomic DNA Purification Kits, MB96	96 Preps/Kit
	Prepacked magnetic beads	BNP021-5E	Saliva Genomic DNA Purification Kits, MB48	48 Preps/Kit
	Magnetic beads	BNP021-1E	Saliva Genomic DNA Purification Kits	50 Preps/Kit
	Spin column	MNP021-1E	Saliva Genomic DNA Purification Kits	50 Preps/Kit
Swab	Prepacked magnetic beads	BNP013-2E	Swab Genomic DNA Purification Kits, MB32	32 Preps/Kit
	Prepacked magnetic beads	BNP013-3E	Swab Genomic DNA Purification Kits, MB96	96 Preps/Kit
	Prepacked magnetic beads	BNP013-5E	Swab Genomic DNA Purification Kits, MB48	48 Preps/Kit
	Magnetic beads	BNP013-1E	Swab Genomic DNA Purification Kits	50 Preps/Kit
	Spin column	MNP013-1E	Swab Genomic DNA Purification Kits	50 Preps/Kit
Stool	Prepacked magnetic beads	BNP011-2E	Stool Genomic DNA Purification Kits, MB32	32 Preps/Kit
	Prepacked magnetic beads	BNP011-3E	Stool Genomic DNA Purification Kits, MB96	96 Preps/Kit
	Prepacked magnetic beads	BNP011-5E	Stool Genomic DNA Purification Kits, MB48	48 Preps/Kit
	Magnetic beads	BNP011-1E	Stool Genomic DNA Purification Kits	50 Preps/Kit
	Spin column	MNP011-1E	Stool Genomic DNA Purification Kits	50 Preps/Kit
Bacterial	Prepacked magnetic beads	BNP012-2E	Bacterial Genomic DNA Purification Kits, MB32	32 Preps/Kit
	Prepacked magnetic beads	BNP012-3E	Bacterial Genomic DNA Purification Kits, MB96	96 Preps/Kit
	Prepacked magnetic beads	BNP012-5E	Bacterial Genomic DNA Purification Kits, MB48	48 Preps/Kit
	Magnetic beads	BNP012-1E	Bacterial Genomic DNA Purification Kits	50 Preps/Kit
	Spin column	MNP012-1E	Bacterial Genomic DNA Purification Kits	50 Preps/Kit

02

PROTEOMICS



Protein Purification Prepacked Columns

biocomma® Protein Purification Prepacked Columns, aiming at simplifying work in protein purification, are specially designed for the purification, desalting and concentration of antibodies, recombinant proteins and other biological macromolecules. The columns offer chromatography solutions with stable quality, convenient operation, and timesaving and labor-saving.



Features

- Optional column volume: 1 mL and 5 mL
- Simply connect to syringes and peristaltic pumps, or other liquid phase purification systems such as ÄKTA

SP Copure FF Prepacked Columns

Prepacked SP Copure FF media is a strong cation exchanger for protein purification, screening, and elution.

Ordering Information

Cat. #	Description	Max. Flow Rate (ml/min)	Partical Diameter (μm)	Loading Value	Max. Pressure (Mpa)	pH Range
P-IX0102-11	SP Copure FF Prepacked Columns 1×1mL	4	75	>120mg lysozyme	0.5	4-13
P-IX0102-51	SP Copure FF Prepacked Columns 5×1mL					
P-IX0102-15	SP Copure FF Prepacked Columns 1×5mL	20				3-14
P-IX0102-55	SP Copure FF Prepacked Columns 5×5mL					

SP Copure HP Prepacked Columns

Prepacked SP Copure HP media is a strong cation exchanger with relatively smaller particle size to provide efficient and high-resolution purification.

Ordering Information

Cat. #	Description	Max. Flow Rate (ml/min)	Partical Diameter (μm)	Loading Value	Max. Pressure (Mpa)	pH Range
P-IX0101-11	SP Copure HP Prepacked Columns 1×1mL	4	40	55mg ribonuclease	0.35	4-13
P-IX0101-51	SP Copure HP Prepacked Columns 5×1mL					
P-IX0101-15	SP Copure HP Prepacked Columns 1×5mL	20				3-14
P-IX0101-55	SP Copure HP Prepacked Columns 5×5mL					

NI Copure FF Prepacked Columns

Prepacked NI Copure FF media is used for preparative purification of histidine-tagged recombinant proteins by chelate and metal ion affinity chromatography.

Ordering Information

Cat. #	Description	Max. Flow Rate (ml/min)	Partical Diameter (µm)	Loading Value	Max. Pressure (Mpa)	pH Range			
P-AC0101-11	NI Copure FF Prepacked Columns 1×1mL	4	90	> 40mg	0.35	3-12			
P-AC0101-51	NI Copure FF Prepacked Columns 5×1mL								
P-AC0101-15	NI Copure FF Prepacked Columns 1×5mL	20				2-14			
P-AC0101-55	NI Copure FF Prepacked Columns 5×5mL								

Mab Copure SE Prepacked Columns

Prepacked Mab Copure SE media is a medium used to capture monoclonal antibodies from samples. Ideal for purification of Mab from high-level expression feedstocks with increased media loading.

Ordering Information

Cat. #	Description	Max. Flow Rate (ml/min)	Partical Diameter (µm)	Loading Value	Max. Pressure (Mpa)	pH Range			
P-AC0301-11	Mab Copure SE Prepacked Columns 1×1mL	4	75	Dynamic 30mg IgG/mL	0.35	3-12			
P-AC0301-51	Mab Copure SE Prepacked Columns 5×1mL								
P-AC0301-15	Mab Copure SE Prepacked Columns 1×5mL	20							
P-AC0301-55	Mab Copure SE Prepacked Columns 5×5mL								

GST Copure FF Prepacked Columns

Prepacked GST Copure FF media is used for one-step high-resolution purification of glutathione S-transferase (GST)-tagged proteins.

Ordering Information

Cat. #	Description	Max. Flow Rate (ml/min)	Partical Diameter (µm)	Loading Value	Max. Pressure (Mpa)	pH Range			
P-AC0201-11	GST Copure FF Prepacked Columns 1×1mL	4	90	> 12mg	0.5	3-12			
P-AC0201-51	GST Copure FF Prepacked Columns 5×1mL								
P-AC0201-15	GST Copure FF Prepacked Columns 1×5mL	20							
P-AC0201-55	GST Copure FF Prepacked Columns 5×5mL								

G-25 Desalting Purification Cartridges

G-25 Desalting Purification Cartridges are packed with gel filtration chromatography medium with dextran as the matrix, and the separation is achieved according to the molecular size of the separated substances through the molecular sieve effect of the network structure in the dextran. During chromatography, the molecules larger than the pore size of the gel are blocked out of the gel phase and travel along the gaps between the gel particles. The large molecules have the fastest migration speed, so they elute first. The medium-sized molecules partially enter the gel phase, so they elute in second. All the small molecules enter the gel phase, so the resistance is max, and they elute at last. Thus, the molecules of different sizes are isolated for subsequent experiments such as PCR, sequencing and molecular cloning.



Ordering Information

Cat. #	Description	Qty.
DG25003	G-25 Purification Cartridges, 0.8 mL/3 mL	50 Pcs/Box
DG25006	G-25 Purification Cartridges, 2 mL/6 mL	40 Pcs/Box
DG25012	G-25 Purification Cartridges, 4 mL/12 mL	20 Pcs/Box
DG25012-1	G25 Centrifugal Desalting Purification Cartridges, 6 mL/12 mL	5 Pcs/Box

GICA Optimizer

biocomma® GICA Optimizer protects antibodies, enhances colloidal stability, and extends antibody shelf life.

Features

- Reduce matrix effects, especially matrix effects of urine sample
- Increase hydrophilicity to shorten the reaction time of antigen-antibody
- Protect antibodies, reduce shedding of labeled antibodies
- Increased accuracy of quantitative test to optimize the standard curve
- Better uniformity and between-run reproducibility



Ordering Information

Cat. #	Description	Qty.
001000	Optimized Kit: SDS-L (20 mL), SDS-F (20g), L-90D (35g), L-30 (35g)	1 Set/Box
001011-1	SDS-L GICA Optimizer (50 mL/Bottle)	4 Bottle/Box
001012-1	SDS-F GICA Optimizer (50 g/Bottle)	4 Bottle/Box
001013-1	L-90D GICA Optimizer (50 g/Bottle)	4 Bottle/Box
001014-1	L-30 GICA Optimizer (50 g/Bottle)	4 Bottle/Box

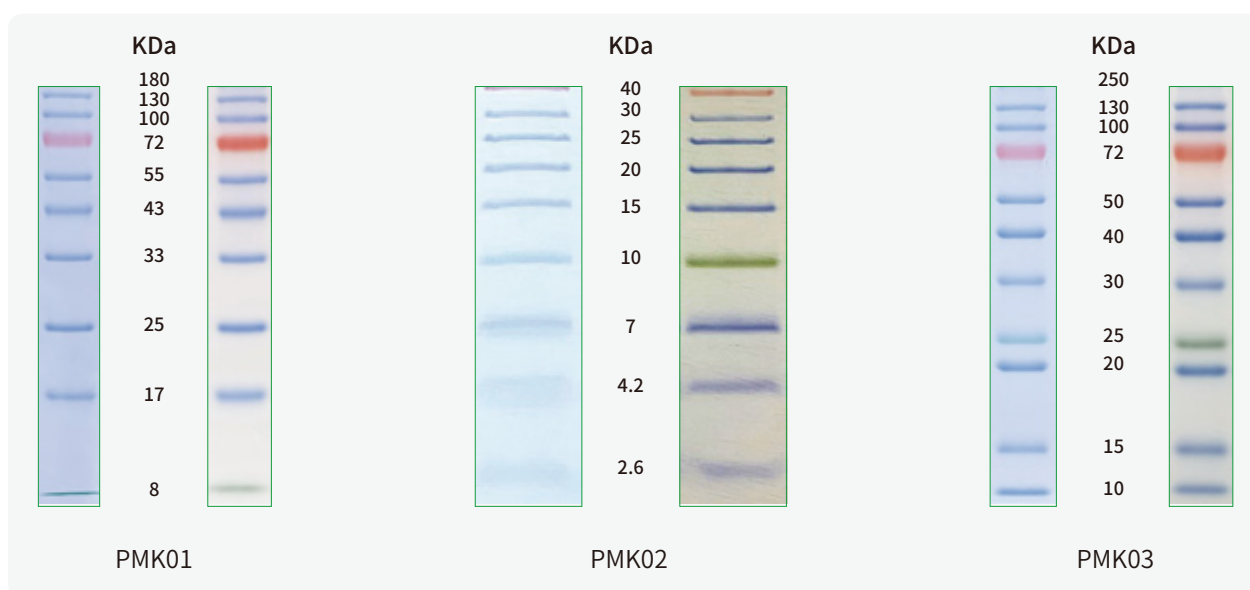
Prestained Protein Ladder

Biocomma® Prestained Protein Ladder is available in various colors of purple, yellow, red, orange, green and blue. The protein ladder can be transported at room temperature, and store up to 2 years at -20°C .



Features

- Broad range
- Precise indication
- Clear band trace
- Colorful prestained colors
- Customization
- Ready to use



Ordering Information

Without His-tag Ladder

Cat. #	Description	Qty.
PMK01-01	Prestained Protein Ladder: 8 (Green), 17, 25, 33, 43, 55, 72(Orange), 100, 130, 180 KDa	250 µL
PMK01-05		5×250 µL
PMK02-01	Prestained Protein Ladder: 2.6, 4.2, 7, 10 (Green), 15, 20, 25, 30, 40 (Orange) KDa	250 µL
PMK02-05		5×250 µL
PMK03-01	Prestained Protein Ladder: 10, 15, 20, 25 (Green), 30, 40, 50, 72 (Orange), 100, 130, 250 KDa	250 µL
PMK03-05		5×250 µL

His-tagged Standard Ladder

Cat. #	Description	Qty.
PMK04-01	Prestained Protein Ladder: 10 (Green), 17, 25, 33, 43, 55, 70 (Orange), 95, 130, 180 KDa	250 µL
PMK04-05		5×250 µL
PMK05-01	Prestained Protein Ladder: 10, 17, 25 (Green), 34, 43, 55, 75 (Orange), 95, 130, 180 KDa	250 µL
PMK05-05		5×250 µL
PMK06-01	Prestained Protein Ladder: 15, 20, 25, 35, 50, 70 (Orange), 100, 130 KDa	250 µL
PMK06-05		5×250 µL

03

READY TO USE LABORATORY REAGENTS



Biological Buffers

biocomma® Biological Buffers have a complete range and accurate quantification, which are ideal reagent for standard biological experiments. The biological buffers can be applied to cell culture, immunohistochemistry (IHC), Western Blot, enzyme-linked immunosorbent assay (ELISA), in situ hybridization, immunodetection washing solutions, antibody dilutions, and molecular cloning fields.

Features

- **Convenience:** Ready-to-use, no configuration required, sterilized by 0.1 µm filtration
- **Professional:** Professional production technology, completely mixed, GMP standard, traceable throughout the process
- **Reproducibility:** Small batch-to-batch variation
- **Stable:** Provide solution stability



Ordering Information

Category	Cat. #	Description	Qty.
PBS	PBS-EC500	PBS Buffer, pH 7.4, 1×	500mL
	PBS-EC510	PBS Buffer, pH 7.4, 10×	500mL
	PBS-EC520	PBS Buffer, pH 7.4, 20×	500mL
PBST	PBST-E500	PBS Tween-20 Buffer, 1×	500mL
	PBST-E510	PBS Tween-20 Buffer, 10×	500mL
DPBS	DPBS-E500	DPBS Buffer, no calcium, no magnesium, 1×	500mL
	DPBS-E500-CM	DPBS Buffer, calcium, magnesium, 1×	500mL
TBS	TBS-E500	TBS Buffer, 1×	500mL
	TBS-E510	TBS Buffer, 10×	500mL
	TBS-E520	TBS Buffer, 20×	500mL
TBST	TBST-E500	TBS Tween-20 Buffer, 1×	500mL
	TBST-E510	TBS Tween-20 Buffer, 10×	500mL
	TBST-E520	TBS Tween-20 Buffer, 20×	500mL
TG	TG-E500	Tris-Glycine Buffer, 1×	500mL
	TG-E510	Tris-Glycine Buffer, 10×	500mL
TE	TE-E500	Tris-EDTA Buffer, 1×	500mL
	TE-E510	Tris-EDTA Buffer, 10×	500mL
	TE-E520	Tris-EDTA Buffer, 20×	500mL
TGS	TGS-E500	Tris-Glycine SDS Buffer, 1×	500mL
	TGS-E510	Tris-Glycine SDS Buffer, 10×	500mL
WTB	WTB-E500	Western Transfer Buffer, 1×	500mL
	WTB-E510	Western Transfer Buffer, 10×	500mL
	WTB-E520	Western Transfer Buffer, 20×	500mL

Phosphate Buffered Saline (PBS) Powder

biocomma® PBS Powder has stable quality and good batch-to-batch variation to meet the large quantities needs of laboratories.

Ordering Information

Cat. #	Description	Qty
PBS-50	PBS: 10mM Phosphate, 137 mM NaCl, 2.7 mM KCl, pH 7.4	1 L × 50 Pcs/PK
PBST-50	PBS buffer with Tween-20: 10 Mm Phosphate, 137 Mm NaCl, 2.7mM KCl 0.05% Tween-20,pH 7.4	1 L × 50 Pcs/PK
DPBS-50	DPBS Buffer: 10 mM Phosphate, 138mM NaCl, 2.67 mM KCl, pH 7.4	1 L × 50 Pcs/PK
TBS-50	TBS Buffer: 50mM Tris-HCl, 138 mM NaCl, 2.7 mM KCl, pH 8.0	1 L × 50 Pcs/PK
TBST-50	TBS Buffer with Tween-20: 50 mM Tris-HCl, 138 mM NaCl, 2.7 mM KCl, 0.05% Tween-20, pH 8.0	1 L × 50 Pcs/PK
TG-50	Tris-Glycine Buffer: 25 mM Tris, 192 mM Glycine	1 L × 50 Pcs/PK
TGS-50	Tris-Glycine-SDS Buffer: 25 mM Tris, 192 mM Glycine, 0.1%SDS	1 L × 50 Pcs/PK
TBE-50	Tris-Borate Buffer: 89 mM Tris-Borate, 2 mM EDTA	1 L × 50 Pcs/PK
MOPS-50	Tris-MOPS-SDS Buffer: 50 mM MOPS, 50 mM Tris, 0.1% SDS, 1 mM EDTA	1 L × 50 Pcs/PK
MES-50	Tris-MES-SDS Buffer: 50 mM MES, 50 mM Tris, 0.1% SDS, 1 mM EDTA	1 L × 50 Pcs/PK
WTB-50	Western Blot Transfer Buffer: 48 mM Tris, 39 mM Glycine,1.2 mM SDS	1 L × 50 Pcs/PK
TE-50	Tris-EDTA Buffer: 100 mM Tris-HCl, 10 mM EDTA, pH7.4	1 L × 50 Pcs/PK
EB-50	EDTA Buffer (pH8.0): 50 mM EDTA, pH8.0	1 L × 50 Pcs/PK
SCC-50	SSC Buffer: 300 mM NaCl, 30 mM Trisodium citrate, pH7.0	1 L × 50 Pcs/PK
SCB-50	Citrate Buffer: 0.1M Citrate, pH 6.0 (Antigen Retrieval Reagent)	1 L × 50 Pcs/PK



Cell Culture Medium

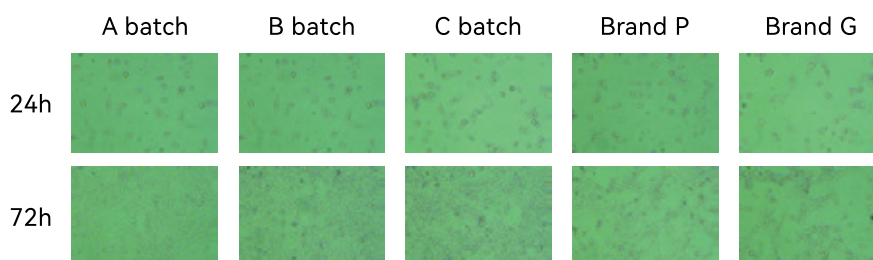
biocomma® Cell Culture Medium contains amino acids, carbohydrates, vitamins, inorganic salt ions and other nutrients required for best cell growth state. The complete product range is suitable for the in vitro culture of various suspension and adherent mammalian cells, which is a standard medium for cell culture experiments.

Features

- **Stable:** All raw materials are strictly screened, one-time bulk purchase.
- **Convenient:** Ready to use
- **Quality Control:** Each batch undergoes strict quality inspection to achieve traceability
- **Professional:** Years of R&D and production experience, ISO9001 certified and GMP standard



Comparison between different batches of Biocomma DMEM/F-12 medium and competitors' medium in culturing TM4 cells:



Ordering Information

Cat.#	Description	Qty.
CM-RPM-E	RPMI 1640 Medium (1×)	500 mL
CM-RPM-E1	RPMI 1640 Medium (1×)	10x500 mL
CM-DMH-E	DMEM, High Glucose (1×)	500 mL
CM-DMH-E1	DMEM, High Glucose (1×)	10x500 mL
CM-DMF-E	DMEM/F-12 (1:1) (1×)	500 mL
CM-DMF-E1	DMEM/F-12 (1:1) (1×)	10x500 mL
CM-MEM-E	MEM (1×)	500 mL
CM-MEM-E1	MEM (1×)	10x500 mL

Gram Stain

Application

Staining of fixed cells of microorganisms with special dyes

Components

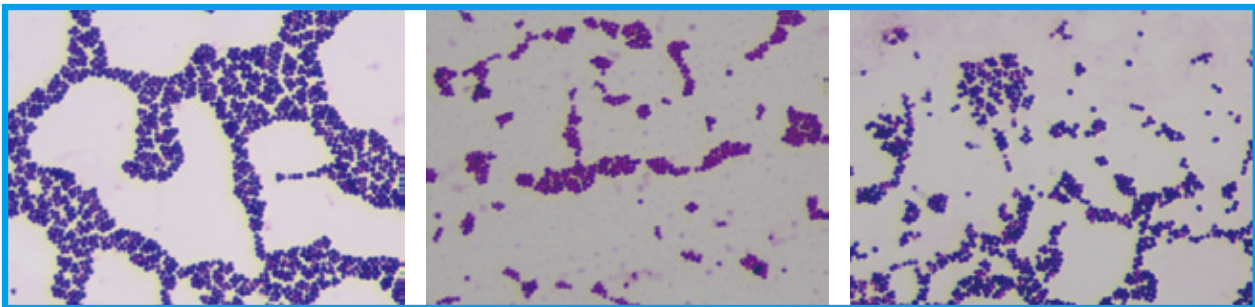
Crystal Violet, Iodine Solution, Decolorizer and Safranin Solution

Features

- Obvious contrast between Gram positive and negative
- The bottles prevent diffusion of iodine in the bottle



Results



Staphylococcus Aureus

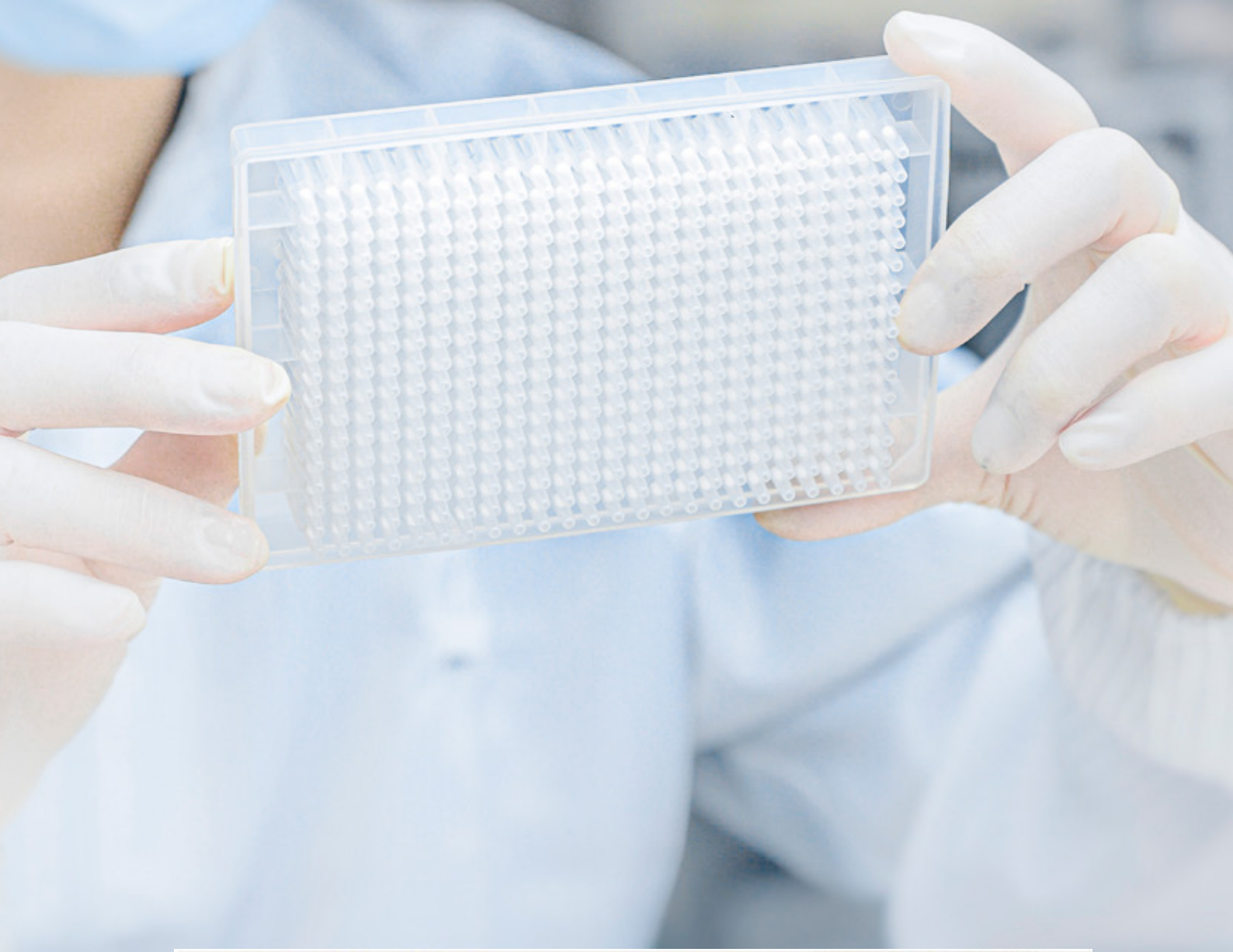
Escherichia Coli

Staphylococcus Aureus

Ordering Information

Cat.#	Description	Qty.
GS01E	Gram Stain Kit: Crystal Violet, Iodine Solution, Decolorizer and Safranin Solution	4 X 20 mL/Box
GS02E	Gram Stain Kit: Crystal Violet, Iodine Solution, Decolorizer and Safranin Solution	4 X 50 mL/Box

04 LABORATORY FILTRATION CONSUMABLES



Lab Frits & Filters

biocomma® lab frits & filters are made from high purity ultra-high molecular weight polyethylene (UHMW-PE), polypropylene (PP), polytetrafluoroethylene (PTFE) and other materials. Biocomma has developed proprietary technologies to manufacture sintered frits, which are widely used in many areas such as new drug discovery, life sciences, chemical analysis, sample preparation, and gas detection.

UHMW-PE Frits

Introduction

biocomma® UHMW-PE Frits are made from high purity ultra-high molecule weight polyethylene (UHMW-PE).

Material Characteristics

◇ Material

UHMW-PE is a polymeric material with molecular weight > 1,500,000 Da.

In addition to its superior resistance to mechanical impact, abrasion, low temperature and good self-lubrication, UHMW-PE has other outstanding properties such as:

- Excellent resistance to corrosive chemicals—It is resistant to many corrosive chemicals (acids, bases, salts) as well as numerous organic solvents.
- Non-toxicity: Due to its biological inertia and physiological compatibility, UHMW-PE has been approved by JHPIA (Japan Hygiene Products Industry Association), US FDA (United States Food and Drug Administration) and USDA (United States Department of Agriculture) for direct contact with foods and drugs. There are successful attempts to use replacement components based on UHMW-PE as implants in human.
- Excellent hydrophobicity: It shows an extremely low moisture absorption (< 0.01%), much better than Nylon 66 (1%). It is the lowest moisture absorption material among engineering plastics.

◇ Particle Size

In general, the particle of UHMW-PE is not a spherical structure, however it is very close to spherical shape. The more uniform the particle is, the better the sintered frits are.

Biocomma sets rigorous screening standards for raw materials and selects the pure UHMW-PE with uniform particle size distribution for our sintered frits.



Non-uniform particles

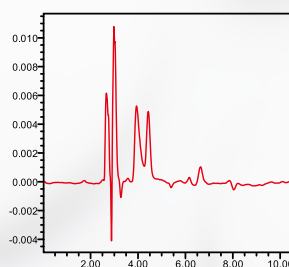
Uniform particles

Uniform and spherical particles

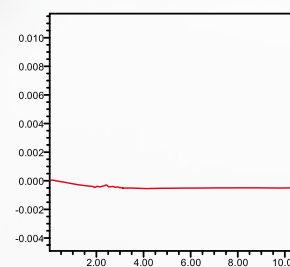
◇ Purity

Biocomma uses highly pure and ultra-pure raw materials. Highly pure materials are selected by chromatography analysis, and ultra-pure materials are processed by reflux using several organic solvents.

Ultra-pure frits are widely used in highly sensitive chromatography analysis, such as solid phase extraction (SPE).



HPLC analysis of ordinary frits



HPLC analysis of ultra-pure frits

Specifications

◇ Diameter

Sintered UHMW-PE frits are available in forms of disks and sheets. Diameters of disks range from 1.0-100 mm.

◇ Thickness

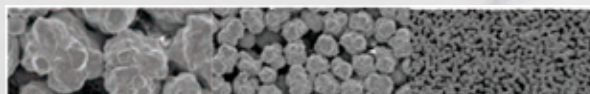
Frits are available with a broad range of thicknesses, including 1.2 mm, 1.6 mm, 2.5 mm, 3.2 mm, 3.5 mm, 4.0 mm, 5.0 mm, 6.0 mm, 7.0 mm, and 9.0 mm.

The most commonly used thicknesses are 1.6 mm and 2.5 mm. The ultra-thin frits (1.2 mm) are best-in-class.

◇ Pore Size

There are maze-like pores with an average pore size from 5-100 µm, including 5 µm, 10 µm, 20 µm, 50 µm, 80 µm, and 100 µm.

The most commonly used pore sizes are 20 µm and 50 µm.



Pore size 80 µm

Pore size 20 µm

Pore size 3-5 µm

Properties

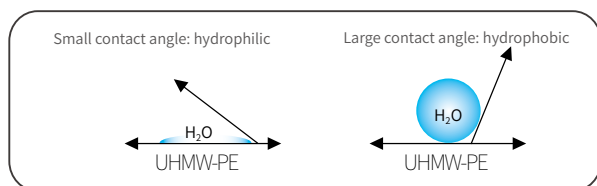
◇ Hydrophobicity

Standard hydrophobic and hydrophilic formulations are available to your needs.

Our sintered UHMW-PE frits are natively hydrophobic, while hydrophilic frits are processed through surface modification. Compared with others, Biocomma's hydrophilic frits have some unique advantages such as low protein adsorption. It is not easy to form air bubbles inside the hydrophilic frits, otherwise air bubbles would reduce sample flowrate and influence the effect of purification.

Left: water could infiltrate hydrophilic frits

Right: water could not infiltrate hydrophobic frits unless there is pressure.



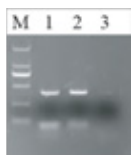
◇ Stable Flowrate

In order to deliver the best reproducibility from batch to batch, UHMW-PE frits are optimized in dimensions, porosity and air resistance. For example, by optimizing pore size, we manage to obtain flowrate of 1-2 drops per second, which is ideal for gravity-flow purification of proteins and nucleic acids.

◇ DNase/RNase/PCR Inhibitor Free

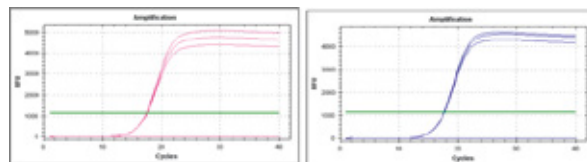
Biocomma provides UHMW-PE frits free of DNase/RNase/PCR inhibitor, and our strict technical standard and rigorous laboratories test ensure the frits have wide applications in biological labs, including PCR, DNA/RNA extraction and etc.

In the sensitive molecule biology applications, if the frits contain DNase/RNase, DNA/RNA would be degraded. if they contain PCR inhibitor, PCR analysis would be affected.



M:PCR marker
1: Negative control
2: Sample
3: Positive control

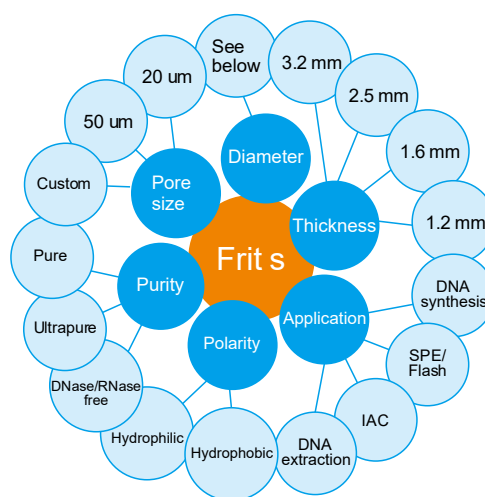
As we can see an obvious difference in the electropherogram, if there was RNase in the frits, the extracted RNA would be degraded and be unable to reverse transcript into full-length cDNA, which would result a remarkable decrease in the yield of PCR products.



qRT-PCR analysis shows CT difference between test (right) and control (left) is plus or minus two, which substantiates the frits free of PCR inhibitor.

Ordering Guidelines

Take into account sorbent, solvent and other factors depending on the application when selecting the frits. Here are some pro-fessional advices from Biocomma.



◇ Materials

PE is one of the most commonly used polymers in the world, sintered UHMW-PE frits could meet general applications requirements in life science and chemistry analysis. For special applications, Biocomma provides other frits made from PP, PTFE, glass fibers, composite materials and etc.

◇ Purity

biocomma® UHMW-PE Frits are all made from pure UHMW-PE. We recommend ultra-pure frits for highly sensitive chromatography analysis and DNase/RNase/PCR inhibitor free frits for molecule biology applications.

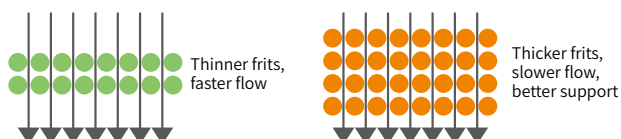


◇ Diameter

Available in 1.0-100 mm, appropriate diameter sizes can be selected according to a certain application.

◇ Thickness

In many applications, frits offer support for sorbent or medium. Generally, with larger thickness, frits could offer better support but result in slower flow rate. Therefore, it is necessary to optimize and balance the thickness and flow rate in practical needs.

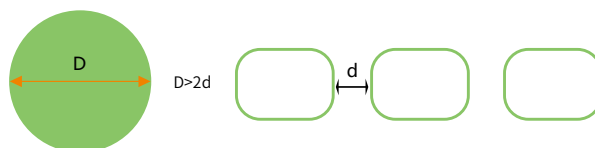


◇ Hydrophobicity

Hydrophobic frits are commonly used in organic solvents, while hydrophilic frits are usually used in aqueous solution.

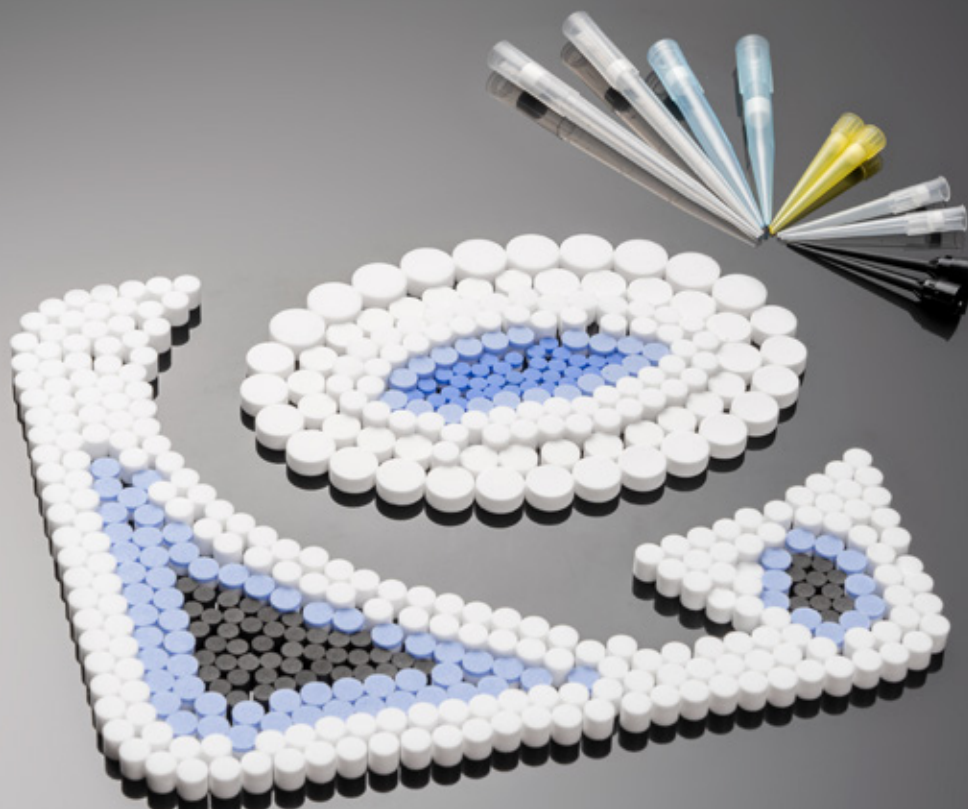
◇ Pore size

It is suggested that pore size of frits should be less than 1/2 of particle size of sorbent or medium. For example, if the particle size of a sorbent is more than 40 μm , it is strongly recommended to use frits of 20 μm .



◇ Application

biocomma® UHMW-PE Frits are optimized for use in separation, chromatography, SPE, affinity chromatography and DNA/RNA purification/extraction, solid phase synthesis applications.



Hydrophobic Frits

Sintered UHMW-PE frits are usually hydrophobic.

As shown below, Biocomma provides various sizes:

Thickness: 1.2 mm (1/20"), 1.6 mm (1/16"), 2.5 mm (1/10"), 3.2 mm (1/8") and other customised thickness.

Pore size: 5 µm, 10 µm, 20 µm, 50 µm, 80 µm and the other customised pore size.

Diameter: please refer to order information.



Ordering Information

Cat. #	Diameter (mm)	Thickness (mm)	Pore Size (µm)	Qty.
BF014-12-20	1.4	1.2	20	1000 Pcs/PK
BF021-16-20	2.1	1.6	20	1000 Pcs/PK
BF025-16-20	2.5	1.6	20	1000 Pcs/PK
BF025-25-20	2.5	2.5	20	1000 Pcs/PK
BF025-25-50	2.5	2.5	50	1000 Pcs/PK
BF025-40-50	2.5	4.0	50	1000 Pcs/PK
BF041-16-20	4.1	1.6	20	1000 Pcs/PK
BF041-25-20	4.1	2.5	20	1000 Pcs/PK
BF041-32-80	4.1	3.2	80	1000 Pcs/PK
BF046-16-20	4.6	1.6	20	1000 Pcs/PK
BF047-16-20	4.7	1.6	20	1000 Pcs/PK
BF048-32-05	4.8	3.2	5	1000 Pcs/PK
BF049-16-20	4.9	1.6	20	1000 Pcs/PK
BF058-16-20	5.8	1.6	20	1000 Pcs/PK
BF058-16-50	5.8	1.6	50	1000 Pcs/PK
BF060-16-20	6.0	1.6	20	1000 Pcs/PK
BF064-32-10	6.4	3.2	10	1000 Pcs/PK
BF066-12-20	6.6	1.2	20	1000 Pcs/PK
BF066-16-02	6.6	1.6	2	1000 Pcs/PK
BF066-16-20	6.6	1.6	20	1000 Pcs/PK
BF066-16-50	6.6	1.6	50	1000 Pcs/PK
BF066-25-20	6.6	2.5	20	1000 Pcs/PK
BF066-32-10	6.6	3.2	10	1000 Pcs/PK
BF070-16-02	7.0	1.6	2	1000 Pcs/PK
BF070-16-20	7.0	1.6	20	1000 Pcs/PK
BF071-16-02	7.1	1.6	2	1000 Pcs/PK
BF072-16-02	7.2	1.6	2	1000 Pcs/PK
BF072-16-20	7.2	1.6	20	1000 Pcs/PK
BF074-16-05	7.4	1.6	5	1000 Pcs/PK
BF074-16-20	7.4	1.6	20	1000 Pcs/PK
BF080-16-50	8.0	1.6	50	1000 Pcs/PK
BF083-16-20	8.3	1.6	20	1000 Pcs/PK
BF086-16-20	8.6	1.6	20	1000 Pcs/PK
BF086-16-50	8.6	1.6	50	1000 Pcs/PK
BF088-16-50	8.8	1.6	50	1000 Pcs/PK
BF090-16-05	9.0	1.6	5	1000 Pcs/PK
BF090-16-10	9.0	1.6	10	1000 Pcs/PK
BF090-16-20	9.0	1.6	20	1000 Pcs/PK
BF090-16-50	9.0	1.6	50	1000 Pcs/PK
BF090-16-80	9.0	1.6	80	1000 Pcs/PK
BF090-25-20	9.0	2.5	20	1000 Pcs/PK
BF091-16-20	9.1	1.6	20	1000 Pcs/PK
BF091-16-50	9.1	1.6	50	1000 Pcs/PK
BF091-25-20	9.1	2.5	20	1000 Pcs/PK
BF093-16-20	9.3	1.6	20	1000 Pcs/PK
BF093-25-20	9.3	2.5	20	1000 Pcs/PK

Customised

Cat. #	Diameter (mm)	Thickness (mm)	Pore Size (µm)	Qty.
BF101-16-20	10.1	1.6	20	1000 Pcs/PK
BF101-25-20	10.1	2.5	20	1000 Pcs/PK
BF105-16-20	10.5	1.6	20	1000 Pcs/PK
BF110-16-20	11.0	1.6	20	1000 Pcs/PK
BF110-25-20	11.0	2.5	20	1000 Pcs/PK
BF122-16-20	12.2	1.6	20	1000 Pcs/PK
BF124-25-20	12.4	2.5	20	1000 Pcs/PK
BF125-16-50	12.5	1.6	50	1000 Pcs/PK
BF127-16-50	12.7	1.6	50	1000 Pcs/PK
BF127-25-20	12.7	2.5	20	1000 Pcs/PK
BF130-16-10	13.0	1.6	10	1000 Pcs/PK
BF130-16-20	13.0	1.6	20	1000 Pcs/PK
BF130-16-50	13.0	1.6	50	1000 Pcs/PK
BF130-25-05	13.0	2.5	5	1000 Pcs/PK
BF130-25-10	13.0	2.5	10	1000 Pcs/PK
BF130-25-20	13.0	2.5	20	1000 Pcs/PK
BF130-25-50	13.0	2.5	50	1000 Pcs/PK
BF132-16-20	13.2	1.6	20	1000 Pcs/PK
BF142-16-20	14.2	1.6	20	1000 Pcs/PK
BF151-16-50	15.1	1.6	50	1000 Pcs/PK
BF151-25-20	15.1	2.5	20	1000 Pcs/PK
BF159-25-20	15.9	2.5	20	1000 Pcs/PK
BF162-25-20	16.2	2.5	20	1000 Pcs/PK
BF193-25-20	19.3	2.5	20	1000 Pcs/PK
BF196-32-10	19.6	3.2	10	1000 Pcs/PK
BF196-35-10	19.6	3.5	10	1000 Pcs/PK
BF197-16-20	19.7	1.6	20	1000 Pcs/PK
BF197-25-20	19.7	2.5	20	1000 Pcs/PK
BF221-25-20	22.1	2.5	20	1000 Pcs/PK
BF228-16-50	22.8	1.6	50	1000 Pcs/PK
BF228-25-20	22.8	2.5	20	1000 Pcs/PK
BF236-16-20	23.6	1.6	20	1000 Pcs/PK
BF236-25-20	23.6	2.5	20	1000 Pcs/PK
BF240-25-20	24.0	2.5	20	1000 Pcs/PK
BF264-25-20	26.4	2.5	20	1000 Pcs/PK
BF273-32-05	27.3	3.2	5	1000 Pcs/PK
BF291-16-20	29.1	1.6	20	1000 Pcs/PK
BF292-16-20	29.2	1.6	20	1000 Pcs/PK
BF292-16-50	29.2	1.6	50	1000 Pcs/PK
BF293-16-20	29.3	1.6	20	1000 Pcs/PK
BF293-16-50	29.3	1.6	50	1000 Pcs/PK
BF293-16-80	29.3	1.6	80	1000 Pcs/PK
BF296-25-20	29.6	2.5	20	1000 Pcs/PK
BF380-25-20	38.0	2.5	20	100 Pcs/PK
BF495-16-50	49.5	1.6	50	100 Pcs/PK
BF495-25-20	49.5	2.5	20	100 Pcs/PK
BF510-25-20	51.0	2.5	20	100 Pcs/PK

Hydrophilic Frits

Hydrophilic frits are processed through surface modification of hydrophobic frits.

As shown below, Biocomma provides various sizes:

Thickness: 1.2 mm (1/20"), 1.6 mm (1/16"), 2.5 mm (1/10") and other customised thickness.

Pore size: 20 µm, 50 µm and the other customised pore size.

Diameter: please refer to order information.

Ordering Information

Cat. #	Diameter (mm)	Thickness (mm)	Pore Size (µm)	Qty.
LF014-12-20	1.4	1.2	20	1000 Pcs/PK
LF016-16-50	1.6	1.6	50	1000 Pcs/PK
LF025-16-50	2.5	1.6	50	1000 Pcs/PK
LF040-16-50	4.0	1.6	50	1000 Pcs/PK
LF058-16-50	5.8	1.6	50	1000 Pcs/PK
LF066-16-50	6.6	1.6	50	1000 Pcs/PK
LF072-16-50	7.2	1.6	50	1000 Pcs/PK
LF074-16-20	7.4	1.6	20	1000 Pcs/PK
LF074-16-50	7.4	1.6	50	1000 Pcs/PK
LF080-16-50	8.0	1.6	50	1000 Pcs/PK
LF090-16-50	9.0	1.6	50	1000 Pcs/PK
LF091-16-50	9.1	1.6	50	1000 Pcs/PK
LF093-16-50	9.3	1.6	50	1000 Pcs/PK
LF125-16-50	12.5	1.6	50	1000 Pcs/PK
LF127-16-50	12.7	1.6	50	1000 Pcs/PK
LF130-16-50	13.0	1.6	50	1000 Pcs/PK
LF151-16-50	15.1	1.6	50	1000 Pcs/PK
LF197-16-50	19.7	1.6	50	1000 Pcs/PK
LF228-16-50	22.8	1.6	50	1000 Pcs/PK
LF236-16-50	23.6	1.6	50	1000 Pcs/PK
LF273-25-50	27.3	2.5	50	1000 Pcs/PK
LF292-16-50	29.2	1.6	50	1000 Pcs/PK
LF296-25-50	29.6	2.5	50	1000 Pcs/PK
LF495-16-50	49.5	1.6	50	100 Pcs/PK
LF510-16-50	51.0	1.6	50	100 Pcs/PK
Custom frits				

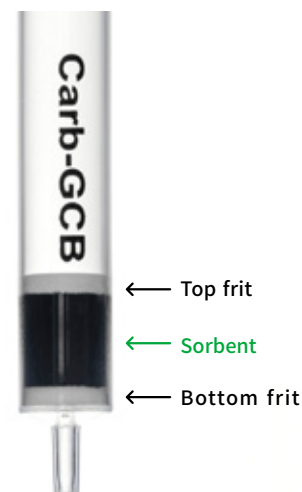


Frits for Solid Phase Extraction (SPE) Cartridges

Frits, used in SPE cartridges and/or 96 -well SPE plates, immobilize sorbents and optimize flow by separating and retaining sample analytes. biocomma® frits for solid phase extraction (SPE) cartridges are Biocomma's innovation to SPE industry. Optimized in purity, flowrate control, stability and chemical resistance, frits for SPE cartridges have proven to fit and function in various SPE cartridges or multi well plates.

Features

- Frits are made from ultra-pure UHMW-PE, suitable for highly sensitive analysis
- Optimized uniform flowrate design is in favor of parallel SPE processes
- Ultra-thin frits (as thin as 1.2 mm) could compartmentalize sorbent layers in mixed SPE
- Optimize pore sizes from 10 µm to 100 µm for different applications



Ordering Information

Cat. #	Diameter (mm)	Thickness (mm)	Pore Size (µm)	Usage	Qty.
SPEF058-16-20-1	5.8	1.6	20	1 mL Cartridges	1000 Pcs/PK
SPEF090-16-20-1	9.0	1.6	20	3 mL Cartridges	1000 Pcs/PK
SPEF090-25-20-1	9.0	2.5	20	3 mL Cartridges	1000 Pcs/PK
SPEF091-16-20-1	9.1	1.6	20	3 mL Cartridges	1000 Pcs/PK
SPEF091-25-20-1	9.1	2.5	20	3 mL Cartridges	1000 Pcs/PK
SPEF130-12-20-1	13.0	1.2	20	6 mL Cartridges	1000 Pcs/PK
SPEF130-16-20-1	13.0	1.6	20	6 mL Cartridges	1000 Pcs/PK
SPEF130-25-20-1	13.0	2.5	20	6 mL Cartridges	1000 Pcs/PK
SPEF158-25-20-1	15.8	2.5	20	12 mL Cartridges	1000 Pcs/PK
SPEF197-25-20-1	19.7	2.5	20	20 mL Cartridges	1000 Pcs/PK
SPEF236-25-20-1	23.6	2.5	20	30 mL Cartridges	1000 Pcs/PK
SPEF266-25-20-1	26.6	2.5	20	60 mL Cartridges	1000 Pcs/PK
SPEF495-25-20-1	49.5	2.5	20	300 mL Cartridges	1000 Pcs/PK
SPEF066-16-20-1	6.6	1.6	20	1.0 mL 96-Well Plates	1000 Pcs/PK
SPEF070-16-20-1	7.0	1.6	20	1.5 mL 96-Well Plates	1000 Pcs/PK
SPEF083-16-20-1	8.3	1.6	20	1.5 mL 96-Well Plates	1000 Pcs/PK
Custom frits					

Frits for Affinity Chromatography (AC) Columns

Frits, used in affinity chromatography columns, hold the medium in place and help protect the medium from running dry under buffer flow.

biocomma® frits for affinity chromatography (AC) columns are made from uniform and pure UHMW-PE and have excellent hydrophilicity through surface modification.

Optimized in pore size, flowrate control and chemical resistance, frits for AC columns are designed to desalt and purify peptides, proteins, antibodies, oligonucleotides, and mycotoxins.

Features

- Excellent hydrophilicity through special processing
- Optimized uniform flowrate at 1-2 mL/min under gravity flow
- Quality is guaranteed with strict criteria of quality



Ordering Information

Cat. #	Diameter (mm)	Thickness (mm)	Pore Size (μm)	Usage	Qty.
ACF058-16-50	5.8	1.6	50	1 mL Columns	1000 Pcs/PK
ACF090-16-50	9.0	1.6	50	3 mL Columns	1000 Pcs/PK
ACF091-16-50	9.1	1.6	50	3 mL Columns	1000 Pcs/PK
ACF130-16-50	13.0	1.6	50	6 mL Columns	1000 Pcs/PK
ACF158-16-50	15.8	1.6	50	12 mL Columns	1000 Pcs/PK
ACF228-16-50	22.8	1.6	50	30 mL Columns	1000 Pcs/PK
ACF266-16-50	26.6	1.6	50	60 mL Columns	1000 Pcs/PK
ACF380-16-50	38.0	1.6	50	150 mL Columns	100 Pcs/PK
ACF495-16-50	49.5	1.6	50	300 mL Columns	100 Pcs/PK
Custom frits					



Frits for Nucleic Acid Purification Spin Columns

Frits, used in nucleic acid purification spin columns, hold the resin in place or support silica membrane.

biocomma® frits for nucleic acid purification spin columns are made from uniform and pure UHMW-PE and are DNase/RNase/PCR inhibitor free. Various sizes are available to meet the application needs of nucleic acid extraction or purification.

Features

- DNase/RNase/PCR inhibitor free
- Available in hydrophobic or hydrophilic formulations
- Ultra-thin frits (as thin as 1.2 mm) could support silica membrane and withstand high-speed centrifugation
- Hydrophobic frits are commonly used in solid-liquid phase separation (bacterial lysate separation) with pressure



Ordering Information

Cat. #	Diameter (mm)	Thickness (mm)	Pore Size (μm)	Usage	Qty.
DNAF051-16-20	5.1	1.6	20	2 mL Spin Columns	1000 Pcs/PK
DNAF072-12-20	7.2	1.2	20	2 mL Spin Columns	1000 Pcs/PK
DNAF072-16-20	7.2	1.6	20	2 mL Spin Columns	1000 Pcs/PK
DNAF074-12-20	7.4	1.2	20	2 mL Spin Columns	1000 Pcs/PK
DNAF074-16-20	7.4	1.6	20	2 mL Spin Columns	1000 Pcs/PK
DNAF110-16-20	11.0	1.6	20	15 mL Spin Columns	1000 Pcs/PK
DNAF240-25-20	24.0	2.5	20	50 mL Spin Columns	1000 Pcs/PK
DNAF197-16-50	19.7	1.6	50	20 mL Filtration Cartridges	1000 Pcs/PK
DNAF236-16-50	23.6	1.6	50	30 mL Filtration Cartridges	1000 Pcs/PK
DNAF266-16-50	26.6	1.6	50	60 mL Filtration Cartridges	1000 Pcs/PK
DNAF495-16-50	49.5	1.6	50	300 mL Filtration Cartridges	1000 Pcs/PK
DNAF070-16-20	7.0	1.6	20	1.0 mL 96-Well Plates	1000 Pcs/PK
DNAF083-16-20	8.3	1.6	20	1.5 mL 96-Well Plates	1000 Pcs/PK
DNAF021-16-20	2.1	1.6	20	384-Well Plates	1000 Pcs/PK
Custom frits					



Frits for Oligo Synthesis Columns

Frits, used in Oligo Synthesis Columns, prevent the expensive CPG particles from leaking.

biocomma® frits for oligo synthesis columns are made from uniform and pure UHMW-PE. The pore size are optimized the pore size to ensure that CPG particles and synthesis reagents are mixed thoroughly.



Ordering Information

Cat. #	Diameter (mm)	Thickness (mm)	Pore Size (μm)	Qty.
DSF025-25-20	2.5	2.5	20	1000 Pcs/PK
DSF041-25-80	4.1	2.5	80	1000 Pcs/PK
DSF090-25-20	9.0	2.5	20	1000 Pcs/PK
DSF090-25-80	9.0	2.5	80	1000 Pcs/PK
DSF130-25-20	13.0	2.5	20	1000 Pcs/PK
DSF130-25-80	13.0	2.5	80	1000 Pcs/PK
Custom frits				

Frits for SPPS Reactors

Solid phase peptide synthesis (SPPS), has been widely applied in pharmaceutical industry. In this method, the extension of peptide is proceeding on insoluble polystyrene resin support.

biocomma® frits for solid phase peptide synthesis (SPPS) reactors are made from uniform and pure UHMW-PE. Optimized in purity, pore size, stability and chemical resistance, frits for SPPS reactors have proven to fit and function in various SPPS reactors. Furthermore, custom sizes can be ordered to meet your needs.



Ordering Information

Cat. #	Diameter (mm)	Thickness (mm)	Pore Size (μm)	Qty.
DSF090-25-20	9.0	2.5	20	1000 Pcs/PK
DSF090-25-80	9.0	2.5	80	1000 Pcs/PK
DSF130-25-20	13.0	2.5	20	1000 Pcs/PK
DSF130-25-80	13.0	2.5	80	1000 Pcs/PK
Custom frits				

Dissolution Filters

Dissolution filters have been widely used in pharmaceutical tablet dissolution test, also in instruments such as DNA synthesizer, HPLC system and medical dialyzer to filter contaminants.

biocomma® dissolution filters are sintered from pure UHMW-PE with larger surface area and optimized flow rate. Dissolution filters provide superior resiliency for a good compression fit and a strong, durable construction. Additionally, our dissolution filters are chemically-resistant to withstand most acids and bases.



Features

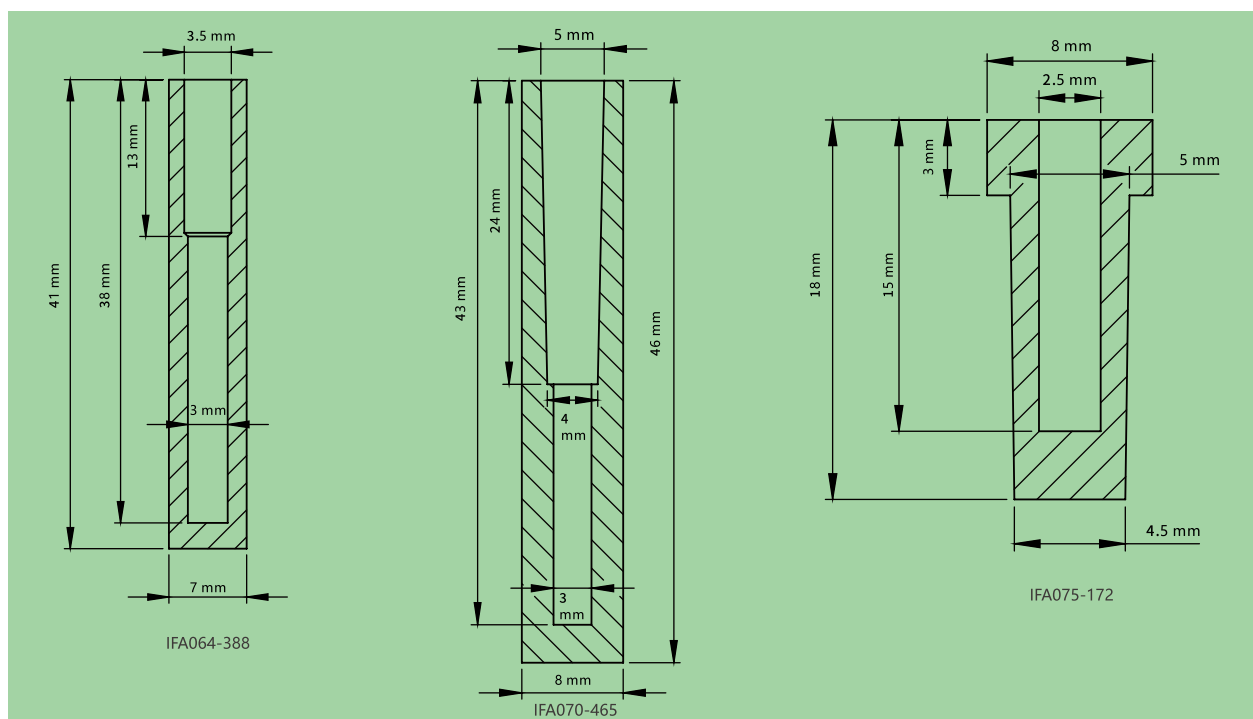
- Available in standard cannulas, disks or flexible custom configurations
- No flashes/rag, to meet requirements of stringent appearance
- Reliable filtration performance

Applications

- Dissolution test
- Filtration of HPLC mobile phases

Ordering Information

Cat. #	Description	Qty.
IFA064-388	Dissolution Filters, Irregular Cup-Shaped	1000 Pcs/PK
IFA070-465	Dissolution Filters, Cup-Shaped	1000 Pcs/PK
IFA075-172	Dissolution Filters, Cup-Shaped	1000 Pcs/PK
IFA080-210-X	Dissolution Filters, Cup-Shaped	100 Pcs/PK
Custom frits		



Other Frits

Polypropylene Fiber Frits

biocomma® polypropylene fiber frits are made from polypropylene fiber, resistant to acids, bases and most organic solvents, has low absorption for most biological macromolecules. These frits are commonly used in biological applications.



Ordering Information

Cat. #	Diameter (mm)	Thickness (mm)	Pore Size (μm)	Qty.
F-PP-060-1	6.0	1.0	5	1000 Pcs/PK
F-PP-066-1	6.6	1.0	5	1000 Pcs/PK
F-PP-072-1	7.2	1.0	5	1000 Pcs/PK
F-PP-078-1	7.85	1.0	5	1000 Pcs/PK
F-PP-080-1	8.0	1.0	5	1000 Pcs/PK
F-PP-090-1	9.0	1.0	5	1000 Pcs/PK
F-PP-162-1	16.2	1.0	5	1000 Pcs/PK
F-PP-171-1	17.1	1.0	5	1000 Pcs/PK
Custom frits				

PTFE Frits

PTFE is an artificially synthesized polymer material, in which the fluorine atoms replace all the hydrogen atoms of polyethylene. The material is acid resistant, alkali-resistant and all kinds of organic solvent resistant, which will hardly dissolve in most solvents. Additionally, PTFE is also high temperature resistance, and can work at 260 °C for a very long time. The friction coefficient of PTFE is very low and can be used for lubrication. biocomma® PTFE frits are made from pure PTFE raw material, and can be used in various analysis & testing applications.



Ordering Information

Cat. #	Diameter (mm)	Thickness (mm)	Pore Size (μm)	Usage	Qty.
F-PTFE-127	12.7	2.5	20	6 mL Glass Cartridges	1000 Pcs/PK
Custom frits					

Glass Fiber Frits

Glass fiber is resistant to acids, bases and most organic solvents, has low absorption for most biological macromolecules.

biocomma® glass fiber frits are designed for scenarios where high-temperature filtration are required, such as high-temperature gas detection.

Features

- Thickness: 1.0 - 3.0 mm
- Pore size: 5 μm
- Customizable diameters



Frit Assemblies for HbA1c Analysis

The frits assembled from two or more parts are used in automatic glycated hemoglobin analyzers. Take biocomma® frit assemblies for HbA1c analysis as an example: the biocompatible PEEK housing has a specific outer diameter to match the inner diameter of the tube, while the stainless steel frit provides high-precision filtration.



Frits for Ion Chromatography (IC) Columns

biocomma® frits for Ion Chromatography (IC) columns are used in ion chromatography precolumns to improve sensitivity and reproducibility of analysis.

Features

- Good mechanical strength, resistant to higher back pressure
- Optimized pore size for better flowrate control
- Made from ultrapure UHMW-PE, no impurities and background noise



Macroporous Frits

biocomma® macroporous frits can withstand acidic/alkali solutions and most organic solvents, have no adsorption to most biomolecules, suitable for some special applications.

Features

- Uniform pore size, suitable for intercepting macromolecules or sediment

biocomma® flash frits are used in flash chromatography columns, offering improved sensitivity and reproducibility.



Flash Frits

Features

- Good mechanical strength, can withstand higher pressure
- Sintered from ultrapure UHMW-PE, no impurities and background noise



Air Filtration Frits

biocomma® air filtration frits are sintered from uniform UHMW-PE raw material, have abundant maze-like structure. These frits are optimized for high air permeability, are able to barrier particular substances and to reduce noise by attenuating air flow.

Features

- High porosity and good air permeability
- Good at filtering particles and aerogels
- Excellent noise-suppression performance



SPE Cartridges with Frits

biocomma® Empty SPE Cartridges consist of empty columns and frits. The kits with plunger is convenient to customize your own cartridges.



Empty Solid Phase Extraction (SPE) Cartridges with Frits

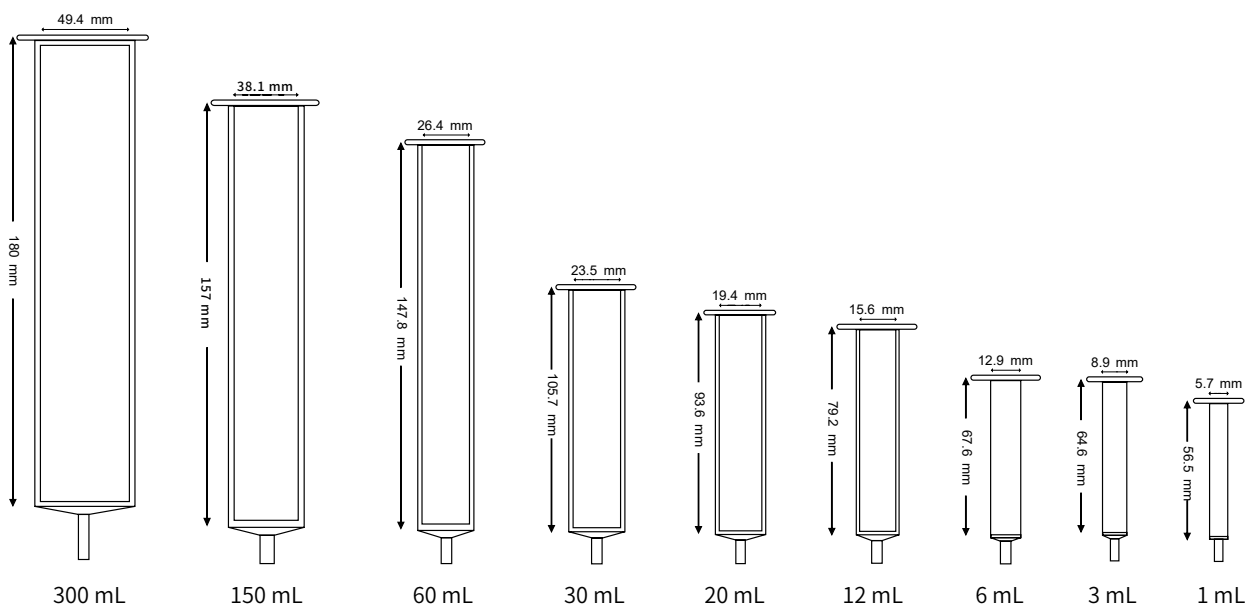
biocomma® Empty Solid Phase Extraction (SPE) Cartridges with Frits are made from medical-grade polypropylene (PP), with Luer-outlet at the bottom. After packing with appropriate sorbents / resins, these tubes are used in applications such as solid-phase extraction (SPE), affinity chromatography (AC) and solid-phase synthesis.

Features

- Medical-grade polypropylene tubes with Luer outlets
- Available from 1 mL to 300 mL
- Ultrapure sintered UHMW-PE Frits for high sensitivity analysis



Specifications



Ordering Information

Cat. #	Description	Qty.
004101	1 mL Empty Straight-Barrel Tubes with Frits	500 Pcs/Box
004101-2	1 mL Empty Straight-Barrel Tubes with Frits	100 Pcs/Box
004102	3 mL Empty Straight-Barrel Tubes with Frits	100 Pcs/Box
004103	6 mL Empty Straight-Barrel Tubes with Frits	100 Pcs/Box
004114	12 mL Empty Straight-Barrel Tubes with Frits	100 Pcs/Box
004112	20 mL Empty Straight-Barrel Tubes with Frits	50 Pcs/Box
004105	30 mL Empty Straight-Barrel Tubes with Frits	50 Pcs/Box
004106	60 mL Empty Straight-Barrel Tubes with Frits	25 Pcs/Box
004150	150 mL Empty Straight-Barrel Tubes with Frits	15 Pcs/Box
004113	300 mL Empty Straight-Barrel Tubes and Fixing Rings with Frits	10 Pcs/Box

Empty Luer-Inlet SPE Cartridges

- Medical-grade polypropylene tubes with Luer inlets and Luer outlets
- Two or three columns can be operated in series
- Ultrapure sintered UHMW-PE Frits for high sensitivity analysis

Ordering Information

Cat. #	Description	Qty.
004303	1 mL Empty Luer-Inlet SPE Cartridges, with Frits	100 Pcs/Box
004304	3 mL Empty Luer-Inlet SPE Cartridges, with Frits	100 Pcs/Box



Empty Rimless SPE Cartridges

- Rimless syringe-type formats
- Available from 1 mL to 12 mL
- Suitable for multi-well holders in automatic systems

Ordering Information

Cat. #	Description	Qty.
004501	1 mL Empty Rimless SPE Cartridges, with Frits	100 Pcs/Box
004502	3 mL Empty Rimless SPE Cartridges, with Frits	100 Pcs/Box
004503	6 mL Empty Rimless SPE Cartridges, with Frits	100 Pcs/Box
004504	12 mL Empty Rimless SPE Cartridges, with Frits	100 Pcs/Box



Empty Glass SPE Cartridges

- High-purity glass tubes with Luer-outlets
- High-quality sintered PTFE frits
- Suitable for determination of plasticizers

Ordering Information

Cat. #	Description	Qty.
004151	6 mL Empty Glass SPE Cartridges	30 Pcs/Box



Empty SPE Multi-Well Plates

biocomma® empty SPE multi-well plates are available for high-throughput sample processing.

Ordering Information

Cat. #	Description	Qty.
SPE96-10	96-Well SPE Plates, 1.0 mL, Round Well, Two Frits/Well	4 Pcs/Box
SPE96-15	96-Well SPE Plates, 1.5 mL, Round Well, Two Frits/Well	4 Pcs/Box
SPE96-20	96-Well SPE Plates, 2.0 mL, Square Well, Two Frits/Well	4 Pcs/Box
SPE24-05	24-Well SPE Plates, 15mL, Square Well, Two Frits/Well	4 Pcs/Box
SPE24-20	24-Well SPE Plates, 15mL, Square Well, Two Frits/Wel	4 Pcs/Box
SPE24-80	24-Well SPE Plates, 15mL, Square Well, Two Frits/Well	4 Pcs/Box



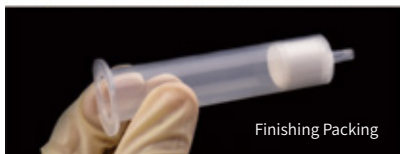
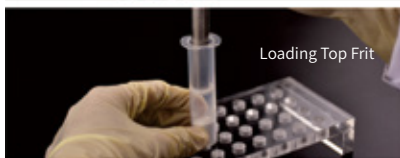
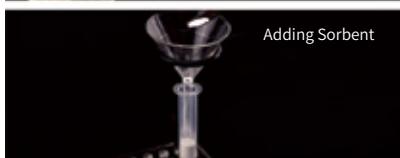


Empty SPE Cartridges Kits

biocomma® Empty SPE Cartridges Kits include cartridges, frits and a plunger.

Ordering Information

Cat. #	Description	Qty.
004101-2K	1 mL Empty SPE Cartridges, with frits and a plunger	100 Pcs/Box
004102K	3 mL Empty SPE Cartridges, with frits and a plunger	100 Pcs/Box
004103K	6 mL Empty SPE Cartridges, with frits and a plunger	100 Pcs/Box
004114K	12 mL Empty SPE Cartridges, with frits and a plunger	100 Pcs/Box
004112K	20 mL Empty SPE Cartridges, with frits and a plunger	50 Pcs/Box
004105K	30 mL Empty SPE Cartridges, with frits and a plunger	50 Pcs/Box
004106K	60 mL Empty SPE Cartridges, with frits and a plunger	25 Pcs/Box
004150K	150 mL Empty SPE Cartridges, with frits and a plunger	15 Pcs/Box
004113K	300 mL Empty SPE Cartridges, with frits, sealing rings and a plunger	10 Pcs/Box
004303K	1 mL Empty Luer-Inlet SPE Cartridges, with frits and a plunger	100 Pcs/Box
004151	6 mL Empty Glass SPE Cartridges, with frits	30 Pcs/Box



Instructions for Cartridge Packing

1. Loading Bottom Frit

Push the bottom frit to the bottom of the cartridge using by plunger.

2. Adding Sorbent

Keep the cartridge upright, place a long neck funnel onto the cartridge, add required amount of sorbents to the funnel and remove the funnel until all sorbents slip into the cartridge.

Note:

1) The stemmed funnel's stem should be long enough to put the bottom frit to its final position.

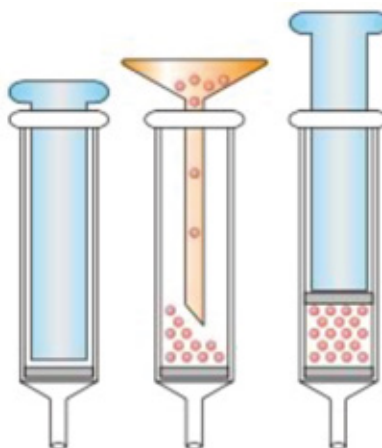
2) Avoid the sorbent adhering to the wall of cartridge when remove the stem funnel.

3. Loading Top Frit

Push the top frit horizontally to the top of the cartridge using a push rod.

Note: If a gap appears between the top frit and the top of sorbent, hold the cartridge upright and tap the cartridge wall gently, then push the top frit to the right position by plunger.

Illustration on cartridge packing



Protein Chromatography

biocomma® Protein Chromatography Cartridges include columns, frits and caps. The kits with plunger is convenient to customize your own column.



Empty Affinity Chromatography (AC) Columns

biocomma® Empty Affinity Chromatography (AC) Columns are designed for fast and simple purification of antibodies, enzymes and other biomolecules using gravity flow.

Researchers can pack a wide range of media to isolate and purify proteins of interest.

Each empty AC column comes with one column tube, two hydrophilic frits, one upper cap and one bottom cap. The columns are made of biocompatible polypropylene that does not interact with biomolecules. The hydrophilic frits are manufactured from porous polyethylene.

Features

- Medical-grade polypropylene tubes with Luer outlets
- Available from 1 mL to 300 mL
- Frits are optimized with good hydrophilicity and a stable flow-rate
- Upper caps are pierceable
- Easy to use with peristaltic pumps or syringes

Applications

- Purification of tagged proteins, recombinant proteins and antibodies
- Desalting of nucleic acids, peptides and proteins
- Detection of mycotoxins

Ordering Information

Cat. #	Description	Qty.
004201	1 mL Empty AC Columns	500 Pcs/Box
004202	3 mL Empty AC Columns	100 Pcs/Box
004202-N	3 mL Empty AC Columns, with Luer-Inlet Upper caps	100 Pcs/Box
004203	6 mL Empty AC Columns	100 Pcs/Box
004204	12 mL Empty AC Columns	100 Pcs/Box
004206	30 mL Empty AC Columns	50 Pcs/Box
004209	60 mL Empty AC Columns	25 Pcs/Box
004215	150 mL Empty AC Columns	15 Pcs/Box
004208	300 mL Empty AC Columns	10 Pcs/Box

Note: The standard upper caps of empty AC columns are red, various colors like orange, white, blue and green are available in 1 mL and 3 mL columns.



Empty Luer-Inlet AC Columns

Features

- Medical-grade polypropylene tubes with Luer inlets and Luer outlets
- Two or three columns can be operated in series
- Frits are optimized to ensure good hydrophilicity and uniform flowrates

Applications

- Purification of tagged proteins, recombinant proteins and antibodies
- Desalting of nucleic acids, peptides and proteins
- Detection of mycotoxins

Ordering Information

Cat. #	Description	Qty.
004205-2	1 mL Empty Luer-Inlet AC Columns	100 Pcs/Box
004207	3 mL Empty Luer-Inlet AC Columns	100 Pcs/Box



Empty FPLC Columns

biocomma® Empty FPLC Columns are powerful tools for purification of tagged proteins, antibodies and other biomolecules. Researchers can pack columns with their own chromatographic media using different separation mechanisms (e.g., immunoaffinity, ion exchange, size exclusion, reverse phase) to perform various applications.

Each empty FPLC column includes one column tube, one sealing sleeve, one sealing plug, one top frit, one bottom frit, one top stop plug and one bottom stop plug. The columns are made of biocompatible polypropylene that does not interact with biomolecules. The top and bottom frits are manufactured from porous polypropylene. There is a snap-off end on the outlet.

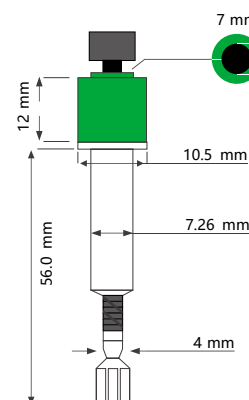
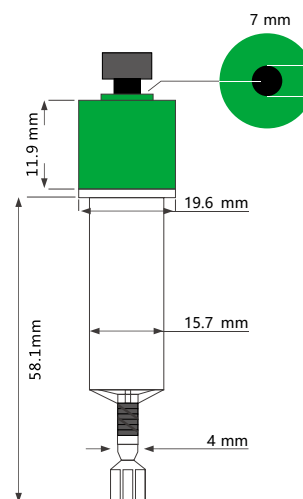
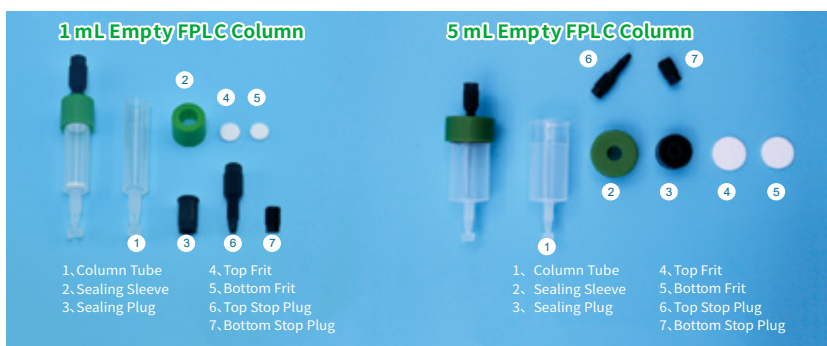
Biocomma provides 1 mL and 5 mL empty FPLC columns, which can be operated with LC systems such as ÄKTA purifiers, peristaltic pumps or syringes.

Features

- Superior biocompatibility
- Direct connection with GE ÄKTA purifiers
- Two or three columns can be operated in series

Applications

- Purification of tagged proteins, recombinant proteins and antibodies
- Desalting of nucleic acids, peptides and proteins



Ordering Information

Cat. #	Description	Maximum Pressure	Qty.
MPPC001-1	1 mL Empty FPLC Columns, Red Sealing Sleeve	1 MPa (10 bar, 145 psi)	50 Sets/PK
MPPC001-1-5T	1 mL Empty FPLC Columns, Red Sealing Sleeve		5 Sets/PK
MPPC001-2	1 mL Empty FPLC Columns, Green Sealing Sleeve		50 Sets/PK
MPPC001-2-5T	1 mL Empty FPLC Columns, Green Sealing Sleeve		5 Sets/PK
MPPC005-1	5 mL Empty FPLC Columns, Red Sealing Sleeve	0.5 MPa (5 bar, 72.5 psi)	50 Sets/PK
MPPC005-1-5T	5 mL Empty FPLC Columns, Red Sealing Sleeve		5 Sets/PK
MPPC005-2	5 mL Empty FPLC Columns, Green Sealing Sleeve		50 Sets/PK
MPPC005-2-5T	5 mL Empty FPLC Columns, Green Sealing Sleeve		5 Sets/PK
009808-1	1 mL FPLC Column Assembly Tool		1 Set/PK
009808-5	5 mL FPLC Column Assembly Tool		1 Set/PK
009114	1 mL FPLC Plunger		1 Pc/PK
009115	5 mL FPLC Plunger		1 Pc/Box

Empty Screw Cap Spin Columns

biocomma® Empty Screw Cap Spin Columns are designed for small volume protein purification, which can be filled with different chromatography media such as agarose, dextran, ion exchange resin, biogel and etc. The principle is centrifugation to purify protein quickly.

Direction

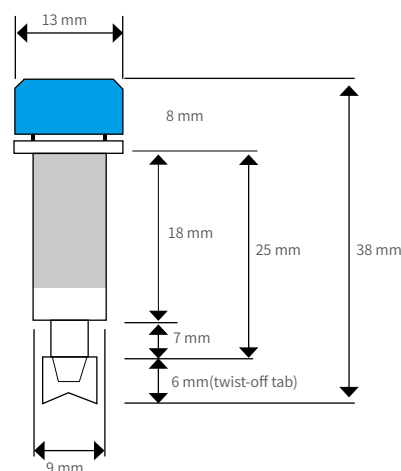
Load affinity resin and other fillers into the spin column. After the filler deposit automatically, gently remove the twists off bottom and allow the excess buffer flow out. Load the sample to combine, then, centrifuge to remove unbound impurities. Finally, elute purified products.

Features

- Columns are made of medical polypropylene with polyethylene frits, ensuring minimal protein-binding properties
- Compatible with 1.5 mL and 2.0 mL centrifuge tubes
- Capacity: 800 µL
- Resin volume: 40-400 µL
- O-ring screw top caps and twist-off bottom

Ordering Information

Cat. #	Description	Qty.
FC7300-1	800 µL Empty Screw Cap Spin Columns, Hydrophilic	50 Pcs/Box
FC7300-2	800 µL Empty Screw Cap Spin Columns, Hydrophobic	50 Pcs/Box



Empty Micro-spin Chromatography Columns

biocomma® Empty Micro-spin Chromatography Columns are designed for easy and efficient small-scale protein purification. Researchers can pack a wide range of chromatography resins to purify proteins of interest using a microcentrifuge.

Researchers can pack columns with their own chromatographic media using different separation mechanisms (e.g., immunoaffinity, ion exchange, size exclusion, reverse phase) to realize various applications.

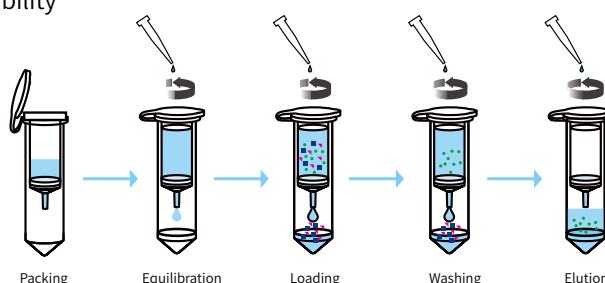


Features

- Tubes are made of high quality medical-grade polypropylene
- Sintered UHMW-PE Frits with excellent solvent compatibility
- Suitable for 1.5 mL and 2.0 mL microcentrifuge tubes
- Volume of spin column: 800 µL
- Volume of resin: 20-500 µL

Applications

Affinity chromatography, desalting, IP, co-IP



Ordering Information

Cat. #	Description	Qty.
FC7400-1	2 mL Empty Micro-spin Chromatography Columns, including Collection Tubes (2.0 mL), Spin Columns (800 µL, with lids), Frits and Bottom Caps	100 Pcs/PK
FC7400-3	1.5 mL Empty Micro-spin Chromatography Columns, including Collection Tubes (1.5 mL), Spin Columns (800 µL, with lids), Frits and Bottom Caps	100 Pcs/PK
FC7410-1	2 mL Empty Micro-spin Chromatography Columns, including Collection Tubes (2.0 mL), Spin Columns (800 µL, without lids), Frits and Bottom Caps	100 Pcs/PK
FC7410-2	1.5 mL Empty Micro-spin Chromatography Columns, including Collection Tubes (1.5 mL), Spin Columns (800 µL, without lids), Frits and Bottom Caps	100 Pcs/PK

Empty Spin Chromatography Columns

biocomma® Empty Spin Chromatography Columns are designed for easy and efficient large-scale protein purification.

Features

- Tubes are made of high quality medical-grade polypropylene
- Sintered UHMW-PE Frits with excellent solvent compatibility
- Suitable for 15 mL and 50 mL centrifuge tubes
- Volume of spin column: 4 mL/22 mL



Applications

Affinity chromatography, desalting, IP, co-IP

Ordering Information

Cat. #	Description	Qty.
FC7600	15 mL Empty Spin Chromatography Columns, including Collection Tubes (15 mL), Spin Columns (4 mL), Frits and Bottom Caps	50 Pcs/PK
FC7500	50 mL Empty Spin Chromatography Columns, including Collection Tubes (50 mL), Spin Columns (22 mL), Frits and Bottom Caps	20 Pcs/PK

Empty Affinity Chromatography (AC) Column Kits

biocomma® Empty Affinity Chromatography (AC) Column Kits include empty tubes, frits, upper and bottom caps, plunger, syringe and connecting pipe for customers to pack their own media easily and handily.



Packing AC Columns

The section describes a manual method packing AC columns.

1. Pretreating Frits

Place the top and bottom frits into deionized water or 20% ethanol to remove the bubbles existing in the frit.

2. Loading Bottom Frit

Add a little deionized water or 20% ethanol to the bottom of a column. Then, push the bottom frit to the bottom by plunger and cap the column outlet.

3. Adding Resin

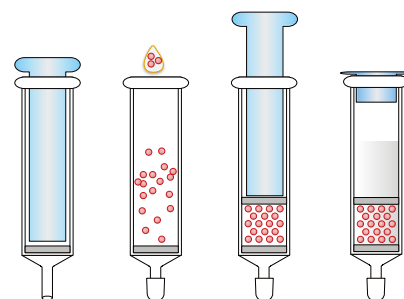
Transfer the required volume of resin by a plastic pipette to the column. Allow the resin to settle and fill the column.

4. Loading Top Frit

Push the top frit horizontally to the top of the column by plunger.

5. Sealing and Storage

Fill the column with an appropriate solvent. Take care and avoid the bubbles. Seal the upper cap and tighten the bottom cap.



Ordering Information

Cat. #	Description	Qty.
006001	Empty AC Column Kits for 1 mL Columns	10 Sets/Box
006002	Empty AC Column Kits for 3 mL Columns	10 Sets/Box
006003	Empty AC Column Kits for 6 mL Columns	10 Sets/Box
006004	Empty AC Column Kits for 12 mL Columns	10 Sets/Box
006005	Empty AC Column Kits for 30 mL Columns	5 Sets/Box
006006	Empty AC Column Kits for 60 mL Columns	5 Sets/Box
006009-1	Empty AC Column Kits for 150 mL Columns	5 Sets/Box
006008	Empty AC Column Kits for 300 mL Columns	3 Sets/Box
006007	Empty AC Columns Kits for 1 mL Luer-Inlet Columns	10 Sets/Box

Empty Rimless Solid Phase Synthesis Columns

biocomma® Empty Rimless Solid Phase Synthesis Columns can be packed with various media to perform oligo synthesis, peptide synthesis and immobilized enzyme reaction.

Features

- Flexible usage for custom synthesizers
- Large-volume cartridges available
- More compact configuration in tray



Automation & High-Throughput

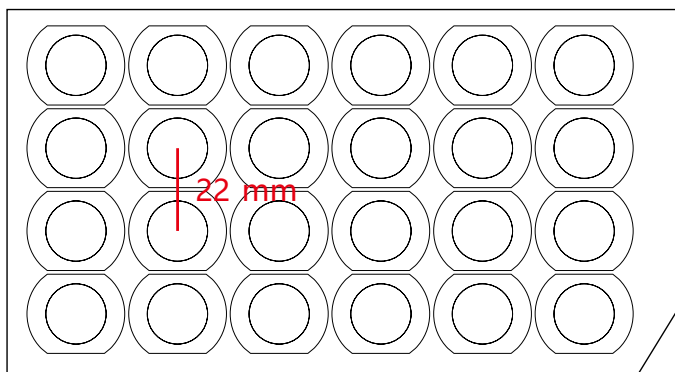
Compared to rimmed columns, rimless columns have significant advantages in high-throughput applications:

- (1) Min. distance between columns is 30% less. This design will fit most robotic arms and improve throughput.
- (2) Footprint is 50% less. This makes it possible to design compact and portable systems.

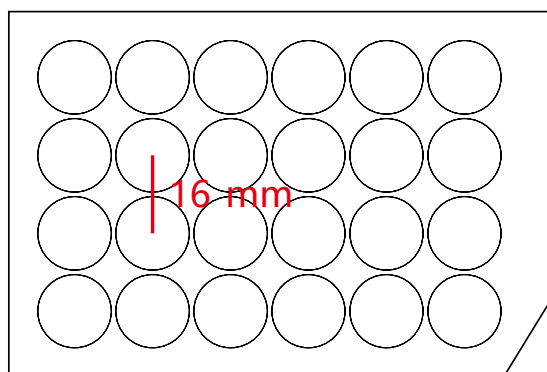
Ordering Information

Cat. #	Description	Qty.
RSSC-1	1 mL Empty Rimless Solid Phase Synthesis Columns, with Frits	100 Pcs/PK
RSSC-3	3 mL Empty Rimless Solid Phase Synthesis Columns, with Frits	100 Pcs/PK
RSSC-6	6 mL Empty Rimless Solid Phase Synthesis Columns, with Frits	100 Pcs/PK
RSSC-12	12 mL Empty Rimless Solid Phase Synthesis Columns, with Frits	100 Pcs/PK

Note: Biocomma not only provides standard columns for solid phase synthesis, but also customizes columns for automated synthesizer.



12 mL rimmed columns, Min. distance between columns are 22 mm



12 mL rimless columns, Min. distance between columns are 16 mm

Columns with Frits

biocomma® Columns with Frits include columns, frits, caps and other accessories.



Centrifugal Filters



Features

- Particularly designed for standard benchtop micro centrifuges
- Applied to concentrate biological and environmental samples for following process and analysis
- Filter bacteria, particles and cells to prepare HPLC samples, and remove DNA from agarose or acrylamide gels
- Customization

Ordering Information

Cat. #	Description	Qty.
FC0015-CA-22	2.0 mL Centrifugal Filters, hydrophilic CA, 0.22 μ m	50 Sets/PK
FC0015-PVDF-22	2.0 mL Centrifugal Filters, organic PVDF, 0.22 μ m	50 Sets/PK
FC015-CA-22	15 mL Centrifugal Filters, hydrophilic CA, 0.22 μ m	50 Sets/PK
FC015-PVDF-22	15 mL Centrifugal Filters, organic PVDF, 0.22 μ m	50 Sets/PK
FC050-CA-22	50 mL Centrifugal Filters, hydrophilic CA, 0.22 μ m	50 Sets/PK
FC050-PVDF-22	50 mL Centrifugal Filters, organic PVDF, 0.22 μ m	50 Sets/PK
FC0015-CA-45	2.0 mL Centrifugal Filters, hydrophilic CA, 0.45 μ m	50 Sets/PK
FC0015-PVDF-45	2.0 mL Centrifugal Filters, organic PVDF, 0.45 μ m	50 Sets/PK
FC015-CA-45	15 mL Centrifugal Filters, hydrophilic CA, 0.45 μ m	50 Sets/PK
FC015-PVDF-45	15 mL Centrifugal Filters, organic PVDF, 0.45 μ m	50 Sets/PK
FC050-CA-45	50 mL Centrifugal Filters, hydrophilic CA, 0.45 μ m	50 Sets/PK
FC050-PVDF-45	50 mL Centrifugal Filters, organic PVDF, 0.45 μ m	50 Sets/PK

Note: Please contact us for more specifications.

Empty Spin Columns

biocomma® Empty Spin Columns can be used for general filtration, or be packed with microfiltration membrane such as MCE, Nylon and PTFE for micro filtration, or be packed with packing materials such as silica membrane, size exclusion chromatographic media, immunoaffinity chromatographic media and SPE sorbents to realize various applications with centrifuge.



2 mL Empty Spin Columns

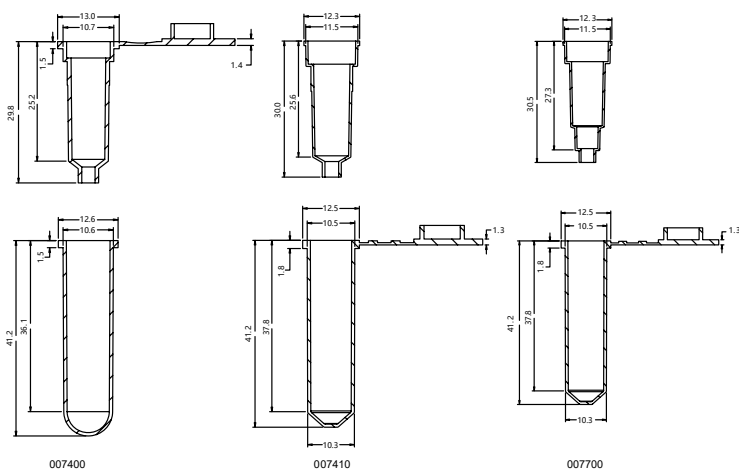
- Outer tube volume: 2 mL, inner tube volume: 800 µL
- Tubes are made of high quality medical-grade polypropylene
- Flat cap is designed for labeling and writing
- Outer tubes work well with centrifuge rotors
- Inner tubes with Luer outlets suitable for vacuum or centrifuge
- Can withstand high speed centrifugation of 16,000 x g

Applications

- General filtration
- Extraction and purification of nucleic acids miniprep
- Desalting of nucleic acids, peptides and proteins
- Solid phase extraction

Ordering Information

Cat. #	Description	Qty.
007400	2 mL Empty Spin Columns, Including Outer Tubes, Inner Tubes (with Lids), UHMW-PE Frits and Fixing Rings	1000 Pcs/PK
007410	2 mL Empty Spin Columns, Including Outer Tubes (with Lids), Inner Tubes, UHMW-PE Frits and Fixing Rings	1000 Pcs/PK
007700	2 mL Empty Micro Spin Columns, Including Outer Tubes (with Lids), Inner Tubes, UHMW-PE Frits and Fixing Rings	1000 Pcs/PK
FC002	2.0 mL Empty Spin Columns, including capped outer tubes, mini inner tubes, high-speed centrifuge membrane, microfiltration membrane and fixing rings	1000 Pcs/PK
FC0015	1.5 mL Empty Spin Columns, including capped outer tubes, mini inner tubes, uhmw-pe frits, microfiltration membrane and fixing rings	1000 Pcs/PK



15 mL Empty Spin Columns

Features

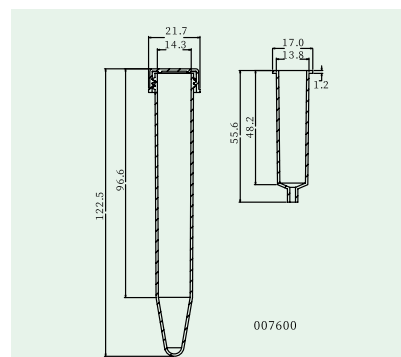
- Outer tube volume: 15 mL, inner tube volume: 4 mL
- Tubes are made of high quality medical-grade polypropylene
- White writing area for easy marking in outer tubes
- Outer tubes work well with centrifuge rotors
- Inner tubes with Luer outlets suitable for vacuum or centrifuge
- Can withstand high speed centrifugation of 8400 x g

Applications

- General filtration
- Extraction and purification of nucleic acids midiprep
- Desalting of nucleic acids, peptides and proteins
- Solid phase extraction

Ordering Information

Cat. #	Description	Qty.
007600	15 mL Empty Spin Columns, including outer tubes, inner tubes, UHMW-PE frits and fixing rings	50 Pcs/PK
FC015-45-MCE	15 mL Empty Spin Columns, including outer tubes, inner tubes, 0.45 µm MCE, frits and fixing rings	50 Pcs/PK
FC015-45-PTFE	15 mL Empty Spin Columns, Including Outer Tubes, inner tubes, 0.45 µm PTFE, frits and fixing rings	50 Pcs/PK
FC015-1	15 mL Empty Spin Columns, including capped outer tubes, inner tubes, microfiltration membrane, frits and fixing rings	50 Pcs/PK



50 mL Empty Spin Columns

Features

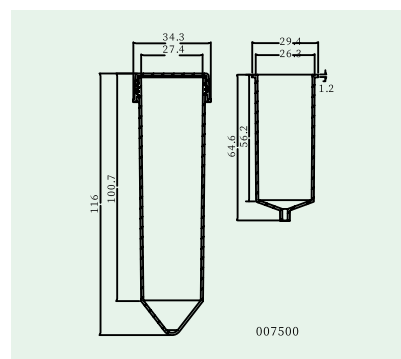
- Outer tube volume: 50 mL, inner tube volume: 22 mL
- Tubes are made of high quality medical-grade polypropylene
- White writing area for easy marking in outer tubes
- Outer tubes work well with centrifuge rotors
- Inner tubes with Luer outlets suitable for vacuum or centrifuge
- Can withstand high speed centrifugation of 9400 x g

Applications

- General filtration
- Extraction and purification of nucleic acids maxiprep
- Desalting of nucleic acids, peptides and proteins
- Solid phase extraction

Ordering Information

Cat. #	Description	Qty.
007500	50 mL Empty Spin Columns, including outer tubes, inner tubes, UHMW-PE frits and fixing rings	10 Pcs/PK
FC050-1	50 mL Empty Spin Columns, including capped outer tubes, inner tubes, microfiltration membrane, frits and fixing rings	20 Pcs/PK



Empty Gravity Flow Nucleic Acid Purification Columns

biocomma® empty gravity flow nucleic acid purification columns are designed for packing ion exchange resin to extract and purify nucleic acids, which are supplied with tubes and hydrophilic frits.

Extracted plasmid is ready to use in many downstream applications, including restriction digestion, ligation and transformation, PCR, sequencing and library construction.



Ordering Information

Cat. #	Description	Qty.
004402-1	6 mL Empty Gravity Flow Nucleic Acid Purification Columns	100 Pcs/PK
004403-1	12 mL Empty Gravity Flow Nucleic Acid Purification Columns	100 Pcs/PK
004404	30 mL Empty Gravity Flow Nucleic Acid Purification Columns	50 Pcs/PK
004406	20 mL Empty Gravity Flow Nucleic Acid Purification Columns	50 Pcs/PK
004405	60 mL Empty Gravity Flow Nucleic Acid Purification Columns	25 Pcs/PK
004408	300 mL Empty Gravity Flow Nucleic Acid Purification Columns	10 Pcs/PK

Filtration Cartridges

biocomma® filtration cartridges are used to perform a range of filtration operation. Each filtration cartridge contains one cartridges tube, a single 20 µm PE frit or 50 µm hydrophilic frit. These cartridges provide an easy-to-use filtration method for quick and easy removal.



Features

- Available from 1 mL to 300 mL
- Medical-grade polypropylene tubes with Luer outlets
- Sintered UHMW-PE frits with excellent solvent compatibility
- Suitable for vacuum

Ordering Information

Cat. #	Description	Qty.
CTF001-BC-1	1 mL Filtration Cartridges, with one 20 µm Frit	500 Pcs/PK
CTF003-BC-1	3 mL Filtration Cartridges, with one 20 µm Frit	200 Pcs/PK
CTF006-BC-1	6 mL Filtration Cartridges, with one 20 µm Frit	100 Pcs/PK
CTF012-BC-1	12 mL Filtration Cartridges, with one 20 µm Frit	100 Pcs/PK
CTF020-SL-1	20 mL Filtration Cartridges, with one 20 µm Frit	50 Pcs/PK
CTF030-SL-1	30 mL Filtration Cartridges, with one 20 µm Frit	50 Pcs/PK
CTF060-BC-1	60 mL Filtration Cartridges, with one 20 µm Frit	50 Pcs/PK
CTF150-BC-1	150 mL Filtration Cartridges, with one 20 µm Frit	20 Pcs/PK
CTF300-BC-1	300 mL Filtration Cartridges, with one 20 µm Frit	10 Pcs/PK

Note: Please contact us for more specifications.

Filtration Cartridges (with Plunger)

biocomma® Filtration Cartridges (with Plunger) are designed to filter viscous liquid such as bacterial cell lysate. Driven by positive pressure, as the push rod is pushed down, lysate could pass through the frits and form an appropriate solution for further purification.

Features

- Ideal for viscous liquid filtration
- Positive pressure enables quick sample treatment
- Thickened frits stay motionless when the plunger is pulled back
- Available from 12 mL to 60 mL

Ordering Information

Cat. #	Description	Qty.
004417-M	Filtration Cartridges, 12 mL, with Two Frits and a plunger	50 Pcs/PK
004407	Filtration Cartridges, 20 mL, with Two Frits and a plunger	50 Pcs/PK
004410-M	Filtration Cartridges, 30 mL, with Two Frits and a plunger	50 Pcs/PK
004416-M	Filtration Cartridges, 60 mL, with Two Frits and a plunger	25 Pcs/PK

Note: Please contact us for more specifications.



Paper Filters

biocomma® Paper Filters with plastic brackets are molded from filter paper and polyethylene, with a higher filtration surface area, suitable for gravity-flow filtration of viscous liquid such as bacterial cell lysate. When the paper filter (25 mL) is used together with plasmid maxiprep column (RS30-2), it takes about 5 minutes to filter 20 mL lysate.

Features

- High filtration surface and rapid filtration by gravity
- Insoluble in aqueous solutions for a long time
- Resistant to common acids, bases and organic solvents

Ordering Information

Cat. #	Description	Qty.
004412-1	Paper Filters, 25 mL	25 Pcs/PK

Note: Please contact us for more specifications.



SpinFlow® Lysis-Filtration Columns

SpinFlow® Lysis-Filtration Columns have good tolerance to high temperature and high-speed centrifugation. The sample stays in the inner column for lysis, transportation and storage under normal condition. Then, the sample pass through the membrane by high-speed centrifugation.

SpinFlow® Lysis-Filtration Columns have been widely applied to forensic science fields:

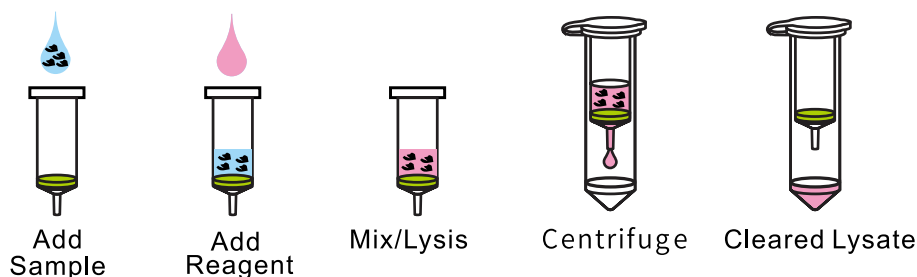
- Extract DNA from evidences such as blood spot, saliva and hair
- Extract DNA from biological fluids plasma, serum, whole blood and lymph
- Extract DNA from bacteria lysates

Ordering Information

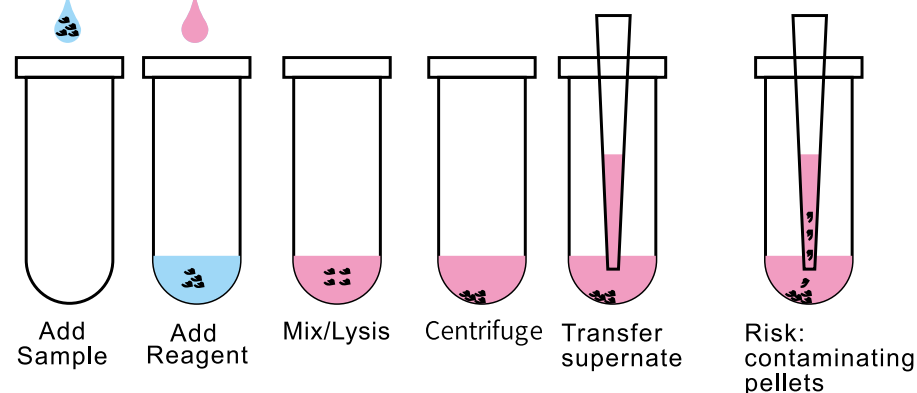
Cat. #	Description	Qty.
FS001-1	SpinFlow® Lysis-Filtration Columns, 1.5 mL	100 Sets/PK
FS002-1	SpinFlow® Lysis-Filtration Columns, 2.0 mL	100 Sets/PK



SpinFlow® Technology



Traditional Technology



Empty Straight-Barrel Tubes

biocomma® Empty Straight-Barrel Tubes are made from medical-grade polypropylene (PP), with Luer-outlet at the bottom. After packing with appropriate sorbents / resins, these tubes are used in applications such as solid-phase extraction (SPE), affinity chromatography (AC) and solid-phase synthesis.

Features

- Available volumes from 1 mL to 300 mL
- Optional accessories: upper caps, bottom caps, fixing rings, frits (hydrophilic or hydrophobic)

Ordering Information

Cat. #	Description	Qty.
CT001-BC-1	1 mL Empty Straight-Barrel Tubes	500 Pcs/PK
CT003-BC-1	3 mL Empty Straight-Barrel Tubes	200 Pcs/PK
CT006-BC-2	6 mL Empty Straight-Barrel Tubes	100 Pcs/PK
CT012-BC-1	12 mL Empty Straight-Barrel Tubes	100 Pcs/PK
CT020-SL-2	20 mL Empty Straight-Barrel Tubes	50 Pcs/PK
CT030-SL-2	30 mL Empty Straight-Barrel Tubes	50 Pcs/PK
CT030-SZ-1	30 mL Empty Straight-Barrel Tubes	50 Pcs/PK
CT060-BC-2	60 mL Empty Straight-Barrel Tubes	50 Pcs/PK
CT150-BC-1	150 mL Empty Straight-Barrel Tubes	20 Pcs/PK
CT300-BC-2	300 mL Empty Straight-Barrel Tubes	10 Pcs/PK



Empty Luer-Inlet Tubes

biocomma® Empty Luer-Inlet Tubes are made from medical-grade polypropylene (PP), with Luer-inlet at the top and Luer-outlet at the bottom, ideal for tandem applications.

Ordering Information

Cat. #	Description	Qty.
CT001-JY-N-1	1 mL Empty Luer-Inlet Tubes	1000 Pcs/PK



Empty Rimless Tubes

biocomma® Empty Rimless Tubes are made from medical-grade polypropylene (PP) and with Luer-outlet at the bottom. After packing with appropriate sorbents / resins, these tubes are used in applications such as solid-phase extraction (SPE), affinity chromatography (AC) and solid-phase synthesis.

Features

- Rimless design are useful for compact figurations in high through pvt systems
- Available volumes: 1 mL, 3 mL, 6 mL, 12 mL
- Optional accessories: fixing rings, frits (hydrophilic or hydrophobic)

Ordering Information

Cat. #	Description	Qty.
NT001-1	1 mL Empty Rimless Tubes	100 Pcs/PK
NT003-1	3 mL Empty Rimless Tubes	100 Pcs/PK
NT006-1	6 mL Empty Rimless Tubes	100 Pcs/PK
NT012-1	12 mL Empty Rimless Tubes	100 Pcs/PK



Empty Glass Tubes

biocomma® Empty Glass Tubes are made of high-purity glass, with Luer-outlet at the bottom. Since these tubes do not contain plastic, they are ideal for applications such as extraction of plasticizers from foodstuffs and food packaging materials.

Ordering Information

Cat. #	Description	Qty.
GCT006-MY-1	6 mL Empty Glass Tubes	30 Pcs/PK



Connectors

The step cone-shaped and Luer inlet design ensure the connectors are suitable for 1, 3, 6, 12 mL cartridges, especially for tandem extraction.

Ordering Information

Cat. #	Description	Qty.
CS000-TJ-10	Connectors, for 1/3/6/12 mL Cartridges	10 Pcs/PK
CS003-JY-1	Connectors, for 3 mL Cartridges	100 Pcs/PK

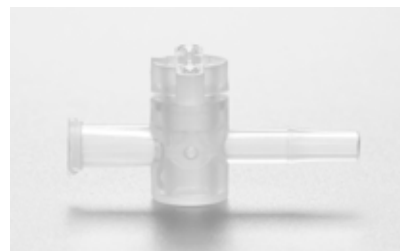


Flow Regulators

Flow regulators are suitable for connecting with vacuum manifolds to control flowrate and pressure, each with one Luer inlet and one Luer outlet.

Ordering Information

Cat. #	Description	Qty.
CS002-PP-100	Flow Regulators	100 Pcs/PK



Fixing Rings

Fixing rings are designed to provide additional fixing of packing sorbents or media in large cartridges. Available in various sizes.

Ordering Information

Cat. #	Description	Qty.
CT003-BC-CR-1	Fixing Rings, for 3 mL Cartridges	1000 Pcs/PK
CT006-BC-CR-1	Fixing Rings, for 6 mL Cartridges	1000 Pcs/PK
CT012-BC-CR-1	Fixing Rings, for 12 mL Cartridges	1000 Pcs/PK
CT030-SL-CR-1	Fixing Rings, for 30 mL Cartridges	1000 Pcs/PK
CT060-BC-CR-1	Fixing Rings, for 60 mL Cartridges	1000 Pcs/PK
CT300-BC-CR-1	Fixing Rings, for 300 mL Cartridges	100 Pcs/PK



Upper and Bottom Caps

Upper and bottom caps are useful for preserving prepacked cartridges. Upper caps are suitable for cartridges of different sizes respectively, and bottom caps are universal for all cartridges.

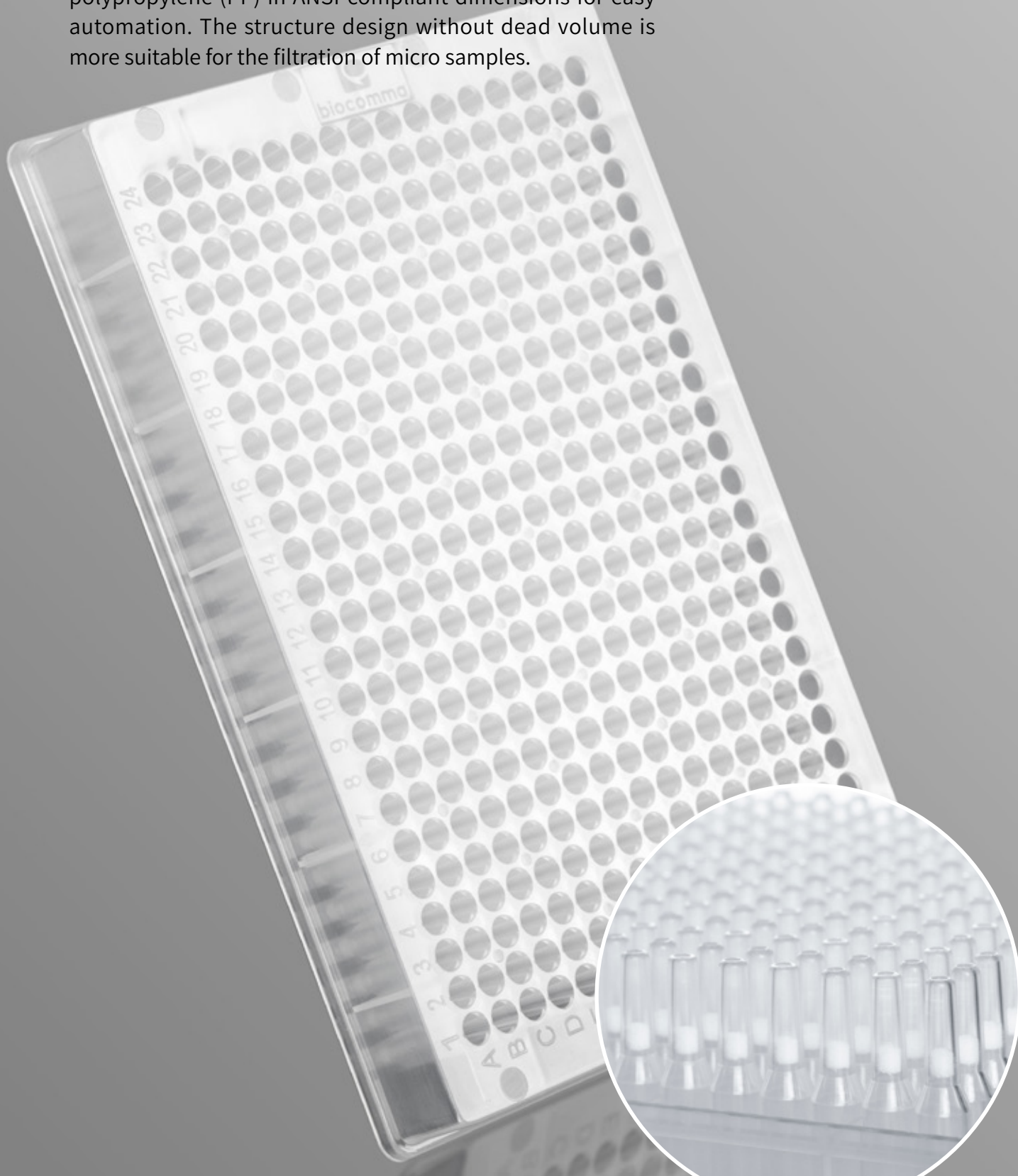
Ordering Information

Cat. #	Description	Qty.
UC001-BC-1	Upper caps, for 1 mL Cartridges, Red	1000 Pcs/PK
UC001-BC-G-1	Upper caps, for 1 mL Cartridges, Green	1000 Pcs/PK
UC001-BC-O-1	Upper caps, for 1 mL Cartridges, Orange	1000 Pcs/PK
UC001-BC-W-1	Upper caps, for 1 mL Cartridges, White	1000 Pcs/PK
UC003-BC-O-1	Upper caps, for 3 mL Cartridges, Orange	100 Pcs/PK
UC003-BC-W-1	Upper caps, for 3 mL Cartridges, White	100 Pcs/PK
UC003-BC-G-1	Upper caps, for 3 mL Cartridges, Green	100 Pcs/PK
UC003-BC-N-1	3 mL Luer-Inlet Upper Caps, Red	1000 Pcs/PK
UC003-BC-PW-1	3 mL Luer-lock pierceable upper caps, clear	1000 Pcs/PK
UC006-BC-2	Upper caps, for 6 mL Cartridges, Red	1000 Pcs/PK
UC012-BC-1000	Upper caps, for 12 mL Cartridges, Red	1000 Pcs/PK
UC030-SZ-2	Upper caps, for 30 mL Cartridges, Orange	1000 Pcs/PK
UC060-BC-2	Upper caps, for 60 mL Cartridges, Red	1000 Pcs/PK
UC150-BC-1	Upper caps for 150 mL cartridges, red	100 Pcs/PK
UC300-BC-1	Upper caps for 300 mL cartridges, red	100 Pcs/PK
LC-1-BC-1000	Bottom Caps, for all Cartridges	1000 Pcs/PK



Multi-Well Plates

biocomma® Multi-Well Plates are made of high-purity polypropylene (PP) in ANSI-compliant dimensions for easy automation. The structure design without dead volume is more suitable for the filtration of micro samples.



96-Well Filtration Plates

biocomma® 96-Well Filtration Plates are available for high-throughput sample processing. The filtration plates can filter impurities simply, or be packed with a variety of microfiltration membrane types for micro filtration, or be packed with silica membrane or chromatographic media to realize various applications.

Features

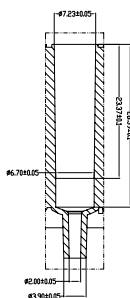
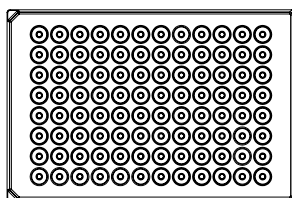
- Good consistency in well-to-well and plate-to plate
- Conform to SBS/ANSI standards
- Alphanumeric referencing for easy identification
- Made of high quality medical-grade polypropylene
- Suitable for vacuum or centrifuge
- Can withstand high speed centrifugation of 4,000 x g



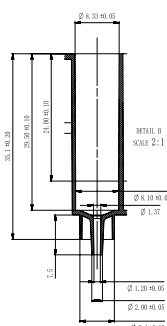
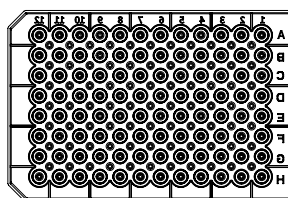
Ordering Information

Cat. #	Description	Qty.
004901-5	96-Well Filtration Plates, 1.0 mL/well, 5 µm frit/well	4 Pcs/PK
004901-20	96-Well Filtration Plates, 1.0 mL well, 20 µm frit/well	4 Pcs/PK
004901-50	96-Well Filtration Plates, 1.0 mL/well, 50 µm frit/well	4 Pcs/PK
004902-5	96-Well Filtration Plates, 1.5 mL/well, 5 µm frit/well	4 Pcs/PK
004902-20	96-Well Filtration Plates, 1.5 mL/well, 20 µm frit/well	4 Pcs/PK
004902-50	96-Well Filtration Plates, 1.5 mL/well, 50 µm frit/well	4 Pcs/PK
004903-5	96-Well Filtration Plates, 2.0 mL/well, 5 µm frit/well	2 Pcs/PK
004903-20	96-Well Filtration Plates, 2.0 mL/well, 20 µm frit/well	2 Pcs/PK
004903-50	96-Well Filtration Plates, 2.0 mL/well, 50 µm frit/well	2 Pcs/PK
004905-1	96-Well Plasmid Filtration Plates, 1.0 mL/well	30 Pcs/PK
0041905-4	96-Well Plasmid Filtration Plates, 1.5 mL/well	30 Pcs/PK

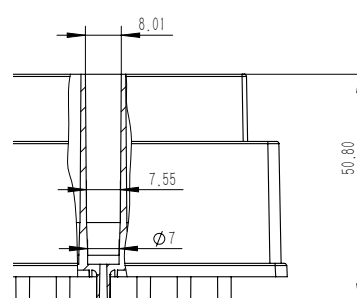
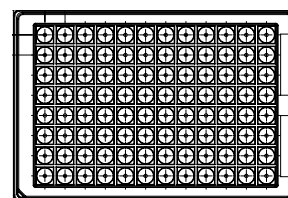
1.0 mL 96-Well Filtration Plates



1.5 mL 96-Well Filtration Plates



2.0 mL 96-Well Filtration Plates



DVfree™ 96-Well Filtration Plates

DVfree™ 96-Well Filtration Plates are based on Biocomma's patented structural design without dead volume, which are ideal for filtration and purification for trace samples. The 96-well filtration plates include a variety of pore sizes to provide the best possible performance.

Features

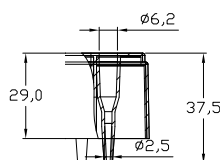
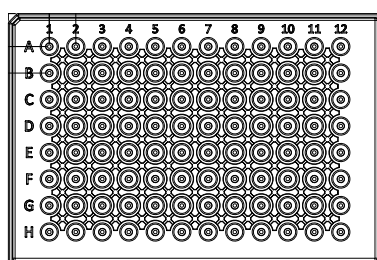
- Without dead volume, high recovery
- Good consistency in well-to-well and plate-to plate
- Conform to SBS/ANSI standards
- Suitable for vacuum or centrifuge



Ordering Information

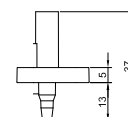
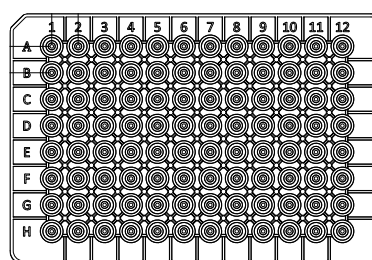
Cat. #	Description	Qty.
009601-5	DVfree™ 96-Well Filtration Plates, 400 µL/well, 5 µm frit/well	4 Pcs/PK
009601-20	DVfree™ 96-Well Filtration Plates, 400 µL/well, 20 µm frit/well	4 Pcs/PK
009602-5	DVfree™ 96-Well Filtration Plates, 600 µL/well, 5 µm frit/well	4 Pcs/PK
009601-20	DVfree™ 96-Well Filtration Plates, 600 µL/well, 20 µm frit/well	4 Pcs/PK

400 µL DVfree 96-Well Filtration Plates



ALL DIMENSIONS IN MM

600 µL DVfree 96-Well Filtration Plates



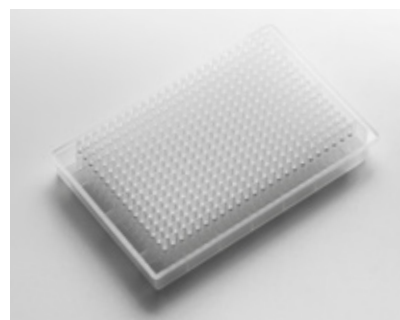
ALL DIMENSIONS IN MM

DVfree™ 384-Well Filtration Plates

DVfree™ 384-Well Filtration Plates are based on Biocomma's patented structural design without dead volume, which are ideal for filtration and purification for trace samples. The 384-well filtration plates include a variety of pore sizes to provide the best possible performance.

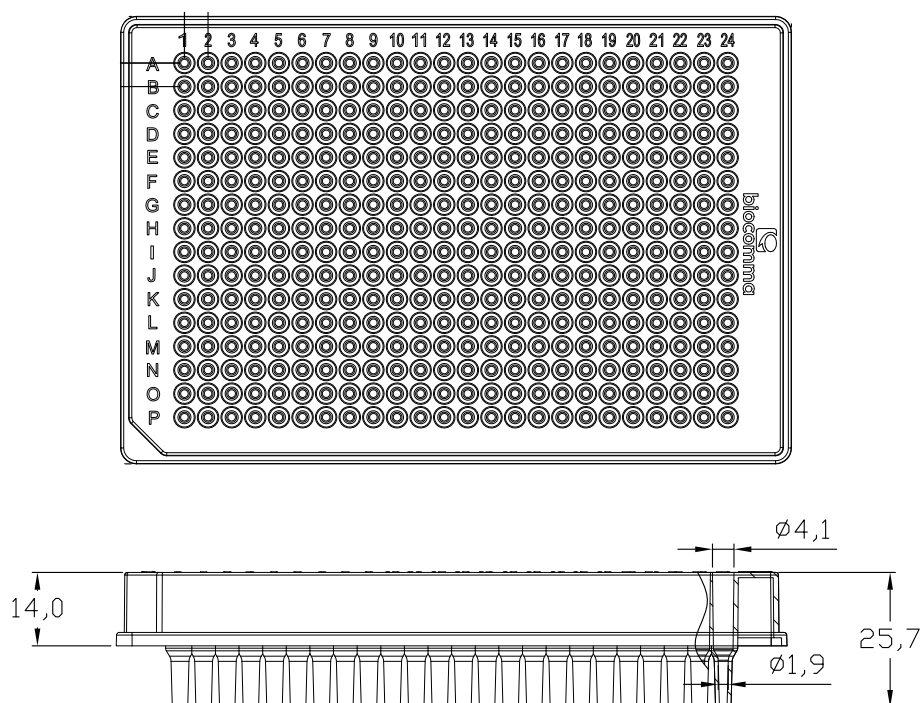
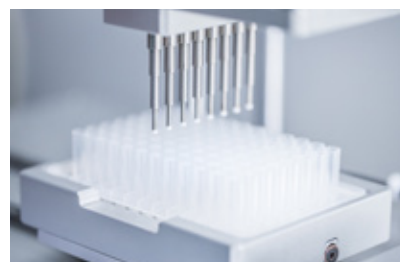
Features

- Without dead volume, high recovery
- Good consistency in well-to-well and plate-to plate
- Conform to SBS/ANSI standards
- Suitable for vacuum or centrifuge



Ordering Information

Cat. #	Description	Qty.
0038401-5	DVfree™ 384-Well Filtration Plates, 150 µL/well, 5 µm frit/well	4 Pcs/PK
0038401-20	DVfree™ 384-Well Filtration Plates, 150 µL/well, 20 µm frit/well	4 Pcs/PK



24-Well Micro-Filter Plates

The micro-filter plates are designed for high-throughput sample filtration. biocomma®24-Well Micro-Filter Plates meet the needs of large capacity filter plates (up to 7 mL) for sterile filtration, such as culture media, reagents, serum or proteins. The micro-filter plates are equipped with variable membrane materials and pore size to fit different applications.

Features

- Filter particles smaller than 1 micron
- Use for high-throughput sample processing
- No dead volume, high recovery
- Each well is separately encapsulated with a filter membrane to ensure the good stability between wells/plates without interference
- The size complies with the ANSI/SBS standards, which is convenient for automation
- Removable Guide plate and unique designed filter plate
- Use with negative pressure or centrifugal method
- Corresponding collection and cover plate

Applications

Protein kinase or phosphatase analysis, protein purification, receptor binding analysis, protein binding determination, ELISPOT analysis, sample preparation, sample filtration treatment before mass spectrometry analysis, removal of fluorescent dyes, etc.



Ordering Information

Cat. #	Description	Qty.
M0024-PES-H-22	24-Well Micro-Filter Plate, 7ml, PES, 0.22 µm, and a collection plate	2 Sets/PK
M0024-PES-45	24-Well Micro-Filter Plate, 7ml, PES, 0.45 µm, and a collection plate	2 Sets/PK
M0024-CA-22	24-Well Micro-Filter Plate, 7ml, CA, 0.22 µm, and a collection plate	2 Sets/PK
M0024-CA-45	24-Well Micro-Filter Plate, 7ml, CA, 0.45 µm, and a collection plate	2 Sets/PK
M0024-PVDF-22	24-Well Micro-Filter Plate, 7ml, PVDF, 0.22 µm, and a collection plate	2 Sets/PK
M0024-PVDF-45	24-Well Micro-Filter Plate, 7ml, PVDF, 0.45 µm, and a collection plate	2 Sets/PK
M0024-MCE-22	24-Well Micro-Filter Plate, 7ml, MCE, 0.22 µm, and a collection plate	2 Sets/PK
M0024-MCE-45	24-Well Micro-Filter Plate, 7ml, MCE, 0.45 µm, and a collection plate	2 Sets/PK

96-Well Micro-Filter Plates

biocomma® 96-Well Micro-Filter Plates are precision injection molded of polystyrene and equipped with many different types and materials of filter membranes, such as polyvinylidene fluoride (PVDF), mixed cellulose (MCE), polytetrafluoroethylene (PTFE) and other microporous filter membranes. Seamless integration is achieved by individually sealed well and removable guide plate and collection plate.

Ordering Information

Microporous filter plates equipped with MCE microporous filter membranes are applied for DNA hybridization, ELISPOT and protein binding assays.

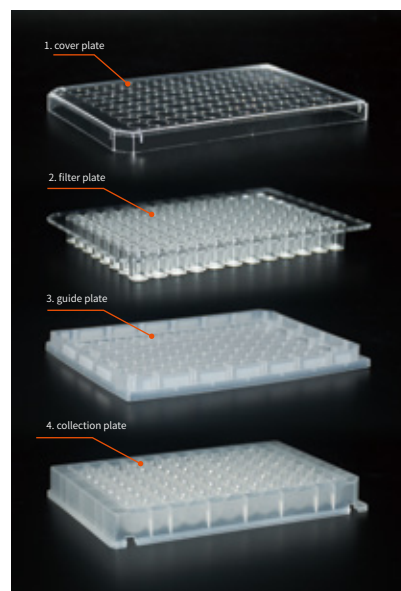
Cat. #	Description	Qty.
M0096-MCE-45	96-Well Micro-Filter Plates 50-250 µL, hydrophilic MCE, 0.45 µm	10 Pcs/PK
M0096-MCE-22	96-Well Micro-Filter Plates 50-250 µL, hydrophilic MCE, 0.22 µm	10 Pcs/PK

Microporous filter plates equipped with PVDF microporous filter membranes are applied for protein kinase/phosphatase analysis, sample preparation, fluorescent dyes removal, etc.

Cat. #	Description	Qty.
M0096-PVDF-45	96-Well Micro-Filter Plates 50-250 µL, hydrophobic PVDF, 0.45 µm	10 Pcs/PK
M0096-PVDF-22	96-Well Micro-Filter Plates 50-250 µL, hydrophobic PVDF, 0.22 µm	10 Pcs/PK
M0096-PVDF-H-45	96-Well Micro-Filter Plates 50-250 µL, hydrophilic PVDF, 0.45 µm	10 Pcs/PK
M0096-PVDF-H-22	96-Well Micro-Filter Plates 50-250 µL, hydrophilic PVDF, 0.22 µm	10 Pcs/PK

Microporous filter plates equipped with PTFE microporous filter membranes are applied for dissolution testing, total drug analysis, protein precipitation analysis, etc.

Cat. #	Description	Qty.
M0096-PTFE-45	96-Well Micro-Filter Plates 50-250 µL, hydrophobic PTFE, 0.45 µm	10 Pcs/PK
M0096-PTFE-22	96-Well Micro-Filter Plates 50-250 µL, hydrophobic PTFE, 0.22 µm	10 Pcs/PK
M0096-PTFE-H-45	96-Well Micro-Filter Plates 50-250 µL, hydrophilic PTFE, 0.45 µm	10 Pcs/PK
M0096-PTFE-H-22	96-Well Micro-Filter Plates 50-250 µL, hydrophilic PTFE, 0.22 µm	10 Pcs/PK



Microfiltration Membranes

biocomma® Microfiltration Membranes are used in sample filtration during analysis process in laboratories.

Ordering Information

Mixed Cellulosic Ester (MCE) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-MCE	MCE / $\Phi 47$ mm / 0.22 μ m	200 Pcs/Box
MF047-45-MCE	MCE / $\Phi 47$ mm / 0.45 μ m	200 Pcs/Box

Cellulose Acetate (CA) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-CA	CA/ $\Phi 47$ mm/0.22 μ m	200 Pcs/Box
MF047-45-CA	CA/ $\Phi 47$ mm/0.45 μ m	200 Pcs/Box

Polyethersulfone (PES) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-PES	PES/ $\Phi 47$ mm/0.22 μ m	200 Pcs/Box
MF047-45-PES	PES/ $\Phi 47$ mm/0.45 μ m	200 Pcs/Box

Hydrophilic Polytetrafluoroethylene (PTFE) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-PTFE-HL	PTFE/ $\Phi 47$ mm/0.22 μ m	200 Pcs/Box
MF047-45-PTFE-HL	PTFE/ $\Phi 47$ mm/0.45 μ m	200 Pcs/Box

Nylon Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-NL	Nylon / $\Phi 47$ mm / 0.22 μ m	200 Pcs/Box
MF047-45-NL	Nylon / $\Phi 47$ mm / 0.45 μ m	200 Pcs/Box

Polyvinylidene Fluoride (PVDF) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-PVDF	PVDF / $\Phi 47$ mm / 0.22 μ m	200 Pcs/Box
MF047-45-PVDF	PVDF / $\Phi 47$ mm / 0.45 μ m	200 Pcs/Box

Polytetrafluoroethylene (PTFE) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-PTFE	PTFE / $\Phi 47$ mm / 0.22 μ m	200 Pcs/Box
MF047-45-PTFE	PTFE / $\Phi 47$ mm / 0.45 μ m	200 Pcs/Box

*Customized diameter of mentioned membranes are available.



Syringe Filters

biocomma® Syringe Filters are suitable for solution preparation, sterilization filtration and biological sample preparation.

Ordering Information

Mixed Cellulose Ester (MCE) Syringe Filters

Cat. #	Description	Qty.
SF130-22-MCE	MCE / Φ 13 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF130-45-MCE	MCE / Φ 13 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box
SF250-22-MCE	MCE / Φ 25 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF250-45-MCE	MCE / Φ 25 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box

Cellulose Acetate (CA) Syringe Filters

Cat. #	Description	Qty.
SF130-22-CA	CA / Φ 13 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF130-45-CA	CA / Φ 13 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box
SF250-22-CA	CA / Φ 25 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF250-45-CA	CA / Φ 25 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box

Hydrophilic Polytetrafluoroethylene (PTFE) Syringe Filters

Cat. #	Description	Qty.
SF130-22-PTFE-HL	PTFE / Φ 13 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF130-45-PTFE-HL	PTFE / Φ 13 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box
SF250-22-PTFE-HL	PTFE / Φ 25 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF250-45-PTFE-HL	PTFE / Φ 25 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box

Hydrophilic Polyvinylidene Fluoride (PVDF) Syringe Filters

Cat. #	Description	Qty.
SF130-22-PVDF-HL	PVDF / Φ 13 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF130-45-PVDF-HL	PVDF / Φ 13 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box
SF250-22-PVDF-HL	PVDF / Φ 25 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF250-45-PVDF-HL	PVDF / Φ 25 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box

Polyethersulfone (PES) Syringe Filters

Cat. #	Description	Qty.
SF130-22-PES	PES / Φ 13 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF130-45-PES	PES / Φ 13 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box
SF250-22-PES	PES / Φ 25 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF250-45-PES	PES / Φ 25 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box

Polytetrafluoroethylene (PTFE) Syringe Filters

Cat. #	Description	Qty.
SF130-22-PTFE	PTFE / Φ 13 mm / 0.22 μ m / Hydrophobic	100 Pcs/Box
SF130-45-PTFE	PTFE / Φ 13 mm / 0.45 μ m / Hydrophobic	100 Pcs/Box
SF250-22-PTFE	PTFE / Φ 25 mm / 0.22 μ m / Hydrophobic	100 Pcs/Box
SF250-45-PTFE	PTFE / Φ 25 mm / 0.45 μ m / Hydrophobic	100 Pcs/Box

Nylon Syringe Filters

Cat. #	Description	Qty.
SF130-22-NL	Nylon / Φ 13 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF130-45-NL	Nylon / Φ 13 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box
SF250-22-NL	Nylon / Φ 25 mm / 0.22 μ m / Hydrophilic	100 Pcs/Box
SF250-45-NL	Nylon / Φ 25 mm / 0.45 μ m / Hydrophilic	100 Pcs/Box

Polyvinylidene Fluoride (PVDF) Syringe Filters

Cat. #	Description	Qty.
SF130-22-PVDF	PVDF / Φ 13 mm / 0.22 μ m / Hydrophobic	100 Pcs/Box
SF130-45-PVDF	PVDF / Φ 13 mm / 0.45 μ m / Hydrophobic	100 Pcs/Box
SF250-22-PVDF	PVDF / Φ 25 mm / 0.22 μ m / Hydrophobic	100 Pcs/Box
SF250-45-PVDF	PVDF / Φ 25 mm / 0.45 μ m / Hydrophobic	100 Pcs/Box



Sterile Syringe Filters

Biocomma® Sterile Syringe Filters remove bacteria fast and reduce the impact on active ingredients in liquid during sterilization process. Generally, 0.1 µm syringe filter filters mycoplasma, 0.22 µm filters bacteria, and 0.45µm filters solid particles. Sterile syringe filters are widely applied to various fields of life science to sterilize small-volume biological liquids, such as proteins, culture media, additives, buffers, reagents, pharmaceuticals and etc.

Features

- The easy tear packaging is made of medical polypropylene to ensure good sealing
- Sterilized by gamma radiation
- DNase and RNase free, pyrogen free and No Endotoxin
- Low protein adsorption rate



Ordering Information

Sterile Mixed Cellulose Ester (MCE) Syringe Filters

Cat. #	Description	Qty.
SSF130-22-MCE	MCE / Φ13 mm / 0.22 µm / Hydrophilic	100 Pcs/PK
SSF130-45-MCE	MCE / Φ13 mm / 0.45 µm / Hydrophilic	100 Pcs/PK
SSF250-22-MCE	MCE / Φ25 mm / 0.22 µm / Hydrophilic	100 Pcs/PK
SSF250-45-MCE	MCE / Φ25 mm / 0.45 µm / Hydrophilic	100 Pcs/PK

Sterile Cellulose Acetate (CA) Syringe Filters

Cat. #	Description	Qty.
SSF130-22-CA	CA / Φ13 mm / 0.22 µm / Hydrophilic	100 Pcs/PK
SSF130-45-CA	CA / Φ13 mm / 0.45 µm / Hydrophilic	100 Pcs/PK
SSF250-22-CA	CA / Φ25 mm / 0.22 µm / Hydrophilic	100 Pcs/PK
SSF250-45-CA	CA / Φ25 mm / 0.45 µm / Hydrophilic	100 Pcs/PK

Sterile Polyethersulfone (PES) Syringe Filters

Cat. #	Description	Qty.
SSF130-22-PES	PES / Φ13 mm / 0.22 µm / Hydrophilic	100 Pcs/PK
SSF130-45-PES	PES / Φ13 mm / 0.45 µm / Hydrophilic	100 Pcs/PK
SSF250-22-PES	PES / Φ25 mm / 0.22 µm / Hydrophilic	100 Pcs/PK
SSF250-45-PES	PES / Φ25 mm / 0.45 µm / Hydrophilic	100 Pcs/PK

Sterile Polyvinylidene Fluoride (PVDF) Syringe Filters

Cat. #	Description	Qty.
SSF130-22-PVDF	PVDF / Φ13 mm / 0.22 µm / Hydrophobic	100 Pcs/PK
SSF130-45-PVDF	PVDF / Φ13 mm / 0.45 µm / Hydrophobic	100 Pcs/PK
SSF250-22-PVDF	PVDF / Φ25 mm / 0.22 µm / Hydrophobic	100 Pcs/PK
SSF250-45-PVDF	PVDF / Φ25 mm / 0.45 µm / Hydrophobic	100 Pcs/PK

Sterile Polytetrafluoroethylene (PTFE) Syringe Filters

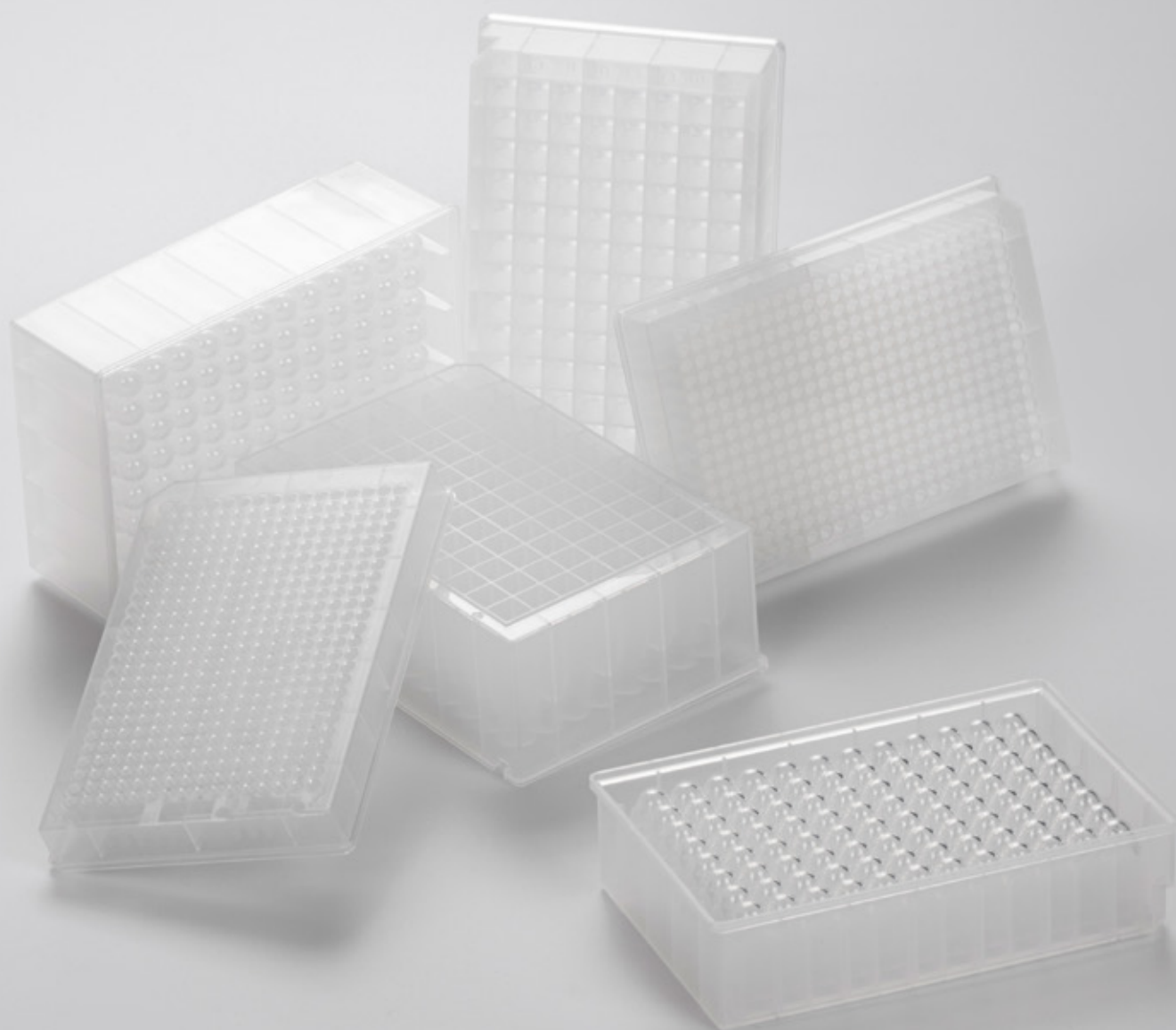
Cat. #	Description	Qty.
SSF130-22-PTFE	PTFE / Φ13 mm / 0.22 µm / Hydrophobic	100 Pcs/PK
SSF130-45-PTFE	PTFE / Φ13 mm / 0.45 µm / Hydrophobic	100 Pcs/PK
SSF250-22-PTFE	PTFE / Φ25 mm / 0.22 µm / Hydrophobic	100 Pcs/PK
SSF250-45-PTFE	PTFE / Φ25 mm / 0.45 µm / Hydrophobic	100 Pcs/PK

Sterile Nylon Syringe Filter

Cat. #	Description	Qty.
SSF130-22-NL	Nylon / Φ13 mm / 0.22 µm / Hydrophilic	100 Pcs/PK
SSF130-45-NL	Nylon / Φ13 mm / 0.45 µm / Hydrophilic	100 Pcs/PK
SSF250-22-NL	Nylon / Φ25 mm / 0.22 µm / Hydrophilic	100 Pcs/PK
SSF250-45-NL	Nylon / Φ25 mm / 0.45 µm / Hydrophilic	100 Pcs/PK

05

GENERAL LABORATORY CONSUMABLES



High-Speed Centrifuge Membrane

biocomma® High-Speed Centrifuge Membrane is made of special material, shows almost no binding to nucleic acids. It has a minimal thickness of 0.3 mm, making it an ideal component for nucleic acid purification.



Features

- Can withstand high speed centrifugation.
- Low adsorption to nucleic acids.
- As small void volume as possible.

Ordering Information

Cat. #	Usage	Qty.
DNAF051-03-50	2 mL Spin Columns	1000/PK
DNAF073-03-50	2 mL Spin Columns	1000/PK
DNAF110-03-50	15 mL Spin Columns	1000/PK
DNAF240-03-50	50 mL Spin Columns	1000/PK
Custom		

Disposable Nitrile Gloves

biocomma® Disposable Nitrile Gloves are made of nitrile rubber (NBR), which have undergone strict quality inspection, and have superior performance to protect hands. The nitrile gloves are widely used in personal hygiene protection, food processing, kitchen cooking, laboratory, printing and decoration, chemical industry, electronic industry, beauty salon, home cleaning and other fields.



Features

- Powder-free
- Textured Fingertips
- Alkali Resistance
- High Elastic
- Thicken
- Oilproof

Ordering Information

Cat. #	Usage	Qty.
DNG-B-M	Disposable Nitrile Gloves (M)	100 Pcs/Box
DNG-B-L	Disposable Nitrile Gloves (L)	100 Pcs/Box
DNG-B-XL	Disposable Nitrile Gloves (XL)	100 Pcs/Box

Collection Plates

biocomma® Collection Plates are molded from high-purity polypropylene (PP), which is highly stable. The outstanding properties are excellent solvent resistance (including DMSO, ethanol and isopropanol), thermally resistance and low residual. The collection plates are international ANSI/ SBS standards-compliant design with alphabetical marks.

Features

- Withstand high speed centrifugal force 3000-4000 g
- Tolerant to autoclave at 121 ° C for 20 min
- 4.6/3.5/2.2/2.0/1.6/1.0 mL deep well plates and 0.4/0.36 mL microplates are available



Ordering Information

Round Well:

Cat. #	Description	Qty.
48WP-C035	48-Well Collection Plate, Round Well, 3.5 mL, U-bottom	50 Pcs/Box
96WP-C020-N	96-Well Collection Plate, Round Well, 2.0 mL, U-bottom	24 Pcs/Box
96WP-C010	96-Well Collection Plate, Round Well, 1.0 mL, U-bottom	24 Pcs/Box
96WU-004	96-Well Collection Plate, Round Well, 0.4 mL, U-bottom	10 Pcs/Box
96WV-0036	96-Well Collection Plate, Round Well, 0.36 mL, V-bottom	10 Pcs/Box



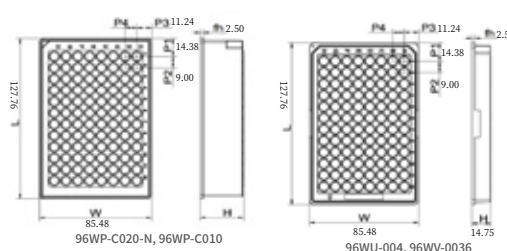
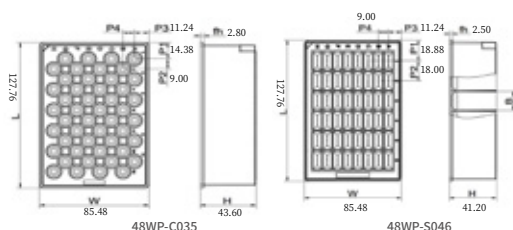
Square Well:

Cat. #	Description	Qty.
48WP-S046	48-Well Collection Plate, Square Well, 4.6 mL, U-bottom	24 Pcs/Box
96WP-S022-BN	96-Well Collection Plate, Square Well, 2.2 mL, U-bottom	24 Pcs/Box
96WP-S022V-N	96-Well Collection Plate, Square Well, 2.2 mL, V-bottom	24 Pcs/Box
96WP-S016-BN	96-Well Collection Plate, Square Well, 1.6 mL, U-bottom	30 Pcs/Box
96WP-S010-N	96-Well Collection Plate, Square Well, 1.0 mL, U-bottom	30 Pcs/Box
384WP-240	384-Well collection plate, Square Well, 0.24 mL	10 Pcs/Box



Note: For sterilized collection plates, please contact us.

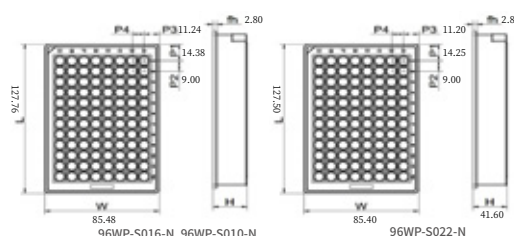
ALL DIMENSIONS IN MM



Note:

1.The length and width of round well plate of 96wp-C020-N and 96WP-C010 are the same, but the well height is 43.90 mm and 33.00 mm.

2.The length and width of square well plate of 96WP-S016-BN and 96WP-S010-N are the same, but the well height is 31.60 mm and 24.40 mm.



Silicone Sealing Mats

biocomma® Silicone Sealing Mats are free of DNase and RNase, which match corresponding collection plates well.

Ordering Information

Cat. #	Description	Qty.
96WSC20	96-Well Round Capped Silicone Sealing Mats, for Sealing 96-Well Collection Plates (2.0 mL), Pierceable	10 Pcs/PK
96WSC10	96-Well Round Capped Silicone Sealing Mats, for Sealing 96-Well Collection Plates (1.0/0.4/0.36 mL), Pierceable	10 Pcs/PK
96WSS	96-Well Square Capped Silicone Sealing Mats, for Sealing 96-Well Collection Plates (2.2/1.6/1.0 mL)	10 Pcs/PK
96WSP	96-Well Square Capped Silicone Sealing Mats, for Sealing 96-Well Collection Plates (2.2/1.6/1.0 mL), Pierceable	10 Pcs/PK
96WS	Adhesive Sealing Films, for Sealing Deep Well Plates	500 Pcs/PK



Heat Sealing Foils

biocomma® Heat Sealing Foils are suitable for polypropylene, polyethylene and polystyrene microplates plates. The easy sealing foils fits all heat sealers.

Features

- Easily pierced foil
- Resistant to organic solvents, including DMSO
- Suitable for PCR, sample storage, sample preparation of mass spectrometry, etc.

Parameters:

Recommended Temperature (°C)	170- 175
Recommended Time (Sec)	3-5
Dimensions (mm)	125 x 80
Thickness (μm)	30



Ordering Information

Cat. #	Description	Qty.
RFM02	biocomma® Heat Sealing Foils, easy pierce	100 Sheets/Box

Reagent Reservoirs

biocomma[®] Reagent Reservoirs are available in 8-channel, 12-channel, 96-channel and 384-channel, free of DNase and RNase. The reservoirs can perfectly overcome the surface tension of the liquid and minimize residual liquid.

Ordering Information

Cat. #	Description	Qty.
8WR	8-Channel Reagent Reservoirs, 22 mL	10 Pcs/Box
12WR	12-Channel Reagent Reservoirs, 15 mL	10 Pcs/Box
96WR	96-Channel Reagent Reservoirs, 195mL	10 Pcs/Box
384WR	384-Channel Reagent Reservoirs, 185 mL	10 Pcs/Box



Tip Combs

biocomma[®] Tip Combs are made of medical grade high-purity polypropylene (PP). Both 8 and 96 Tip Combs are fit 96 square deep well plates.

Features

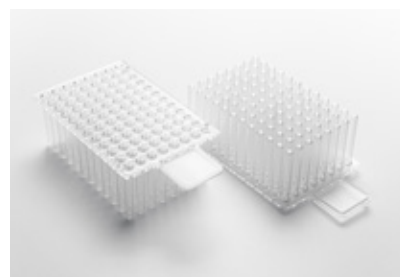
- Low binding affinity for biomolecules
- Protect the magnetic rods from reagents to extend lifespan
- Adapt to magnetic particle processing of automated nucleic acid extraction systems
- Tolerant to autoclave at 121 °C for 20 min



Ordering Information

Tip Combs:

Cat. #	Description	Qty.
8WMS	8-Strip Tip Combs	2 Pcs/PK, 50 PK/Box
96WMS-CH-N-1	96 Tip Combs	2 Pcs/PK, 84 PK/Box



Collection Plates:

Cat. #	Description	Qty.
96WP-S022-BN	96-Well Collection Plate, Square Well, 2.2 mL, U-bottom	24 Pcs/Box
96WP-S022V-N	96-Well Collection Plate, Square Well, 2.2 mL, V-bottom	24 Pcs/Box
96WP-S016-BN	96-Well Collection Plate, Square Well, 1.6 mL, U-bottom	30 Pcs/Box
96WP-S010-N	96-Well Collection Plate, Square Well, 1.0 mL, U-bottom	30 Pcs/Box

Note: Please contact us for sterilized collection plates

Centrifuge Tubes

biocomma® Centrifuge Tubes are made of high quality medical-grade polypropylene, can withstand high speed centrifugation of 14,000 x g and autoclave at 121 °C for 20 min.

Ordering Information

Cat. #	Description	Qty.
SC-0015-CO-2	Centrifuge Tubes, 1.5 mL, with Lids	500 Pcs/PK
SC-002-CO-AJ-2	Centrifuge Tubes, 2.0 mL, with Lids	500 Pcs/PK
SC-002-CO-2	Centrifuge Tubes, 2.0 mL, special locking clasp	500 Pcs/PK
SC-002-O-RY-2	Centrifuge Tubes, 2.0 mL, without Lids	1000 Pcs/PK
SC-015	Centrifuge Tubes, 15 mL, with Lids	50 Pcs/PK
SC-050	Centrifuge Tubes, 50 mL, with Lids	50 Pcs/PK



Cryogenic Vials

biocomma® Cryogenic Vials are made of medical grade polypropylene (PP). The disposable vials are designed for transportation and preservation of biological samples.

Features

- O-ring seal cap prevents liquid leakage
- DNase and RNase-free, pyrogen-free
- Various specifications and cap colors are available



Ordering Information

Cat. #	Description	Qty.
TB05-S	0.5 mL Cryogenic Vials, sterile, clear cap	500 Pcs/PK
TB15-S	1.5 mL Cryogenic Vials, sterile, clear cap	500 Pcs/PK
TB20-S	2.0 mL Cryogenic Vials, sterile, clear cap	500 Pcs/PK
TB15-S1	1.5 mL Cryogenic Vials, V-bottom, sterile, clear cap	500 Pcs/PK
TB20-S1	2 mL Cryogenic Vials, V-bottom, sterile, clear cap	500 Pcs/PK
TB15-BRCS	1.5 mL Cryogenic Vials, V-bottom, sterile, brown	500 Pcs/PK
TB15-BRS	1.5 mL Cryogenic Vials, sterile, brown	500 Pcs/PK
TB50-HS	5 mL Cryogenic Vials, star-bottom, sterile	300 Pcs/PK
TB70-S	5 mL Cryogenic Vials, sterile	300 Pcs/PK

Cryogenic Vials for Cell Culture

- Tolerant to -196 to 121 °C
- Sterile, Enzyme-Free, Endotoxin-Free

Ordering Information

Cat. #	Description	Qty.
TB20-CS	2.0 mL Cryogenic Vials, External Thread	100 Pcs/PK
TB20-CS1	2.0 mL Cryogenic Vials, Internal Thread	100 Pcs/PK
TB50-CS	5.0 mL Cryogenic Vials, External Thread	100 Pcs/PK
TB50-CS1	5.0 mL Cryogenic Vials, Internal Thread	100 Pcs/PK

Preservation Tubes

biocomma® Cryogenic Tubes are made of medical grade polypropylene (PP) to store samples of culture media, buffers and antibody for clinical and scientific research.

Features

- Shatterproof, low temperature resistant
- Withstand centrifugal force maximum of 6000 g
- Available in sterile and non-sterile

Ordering Information

Cat. #	Description	Qty.
TB50-HS1	Sterile Preservation Tubes, 5 mL	300 Pcs/PK
TB50-S	Sterile Preservation Tubes, 5 mL	300 Pcs/PK
TB100-S	Sterile Preservation Tubes, 10 mL	300 Pcs/PK
TB300-S	Sterile Preservation Tubes, 30 mL	100 Pcs/PK

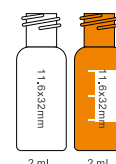


Autosampler Vials

biocomma® autosampler vials are made of USP Type 1 borosilicate glass, suitable for most commercially available autosamplers. Please request our complete brochure to select caps with septa for each type of vials.

8-425 Screw-thread vials

Cat. #	Write-on Spot	Capacity	O.D.xL	Color	Qty.
V1-T	No	2 mL	11.6x32 mm	Clear	100 Pcs/Box
V1-TL	Yes	2 mL	11.6x32 mm	Clear	100 Pcs/Box
V1-A	No	2 mL	11.6x32 mm	Amber	100 Pcs/Box
V1-AL	Yes	2 mL	11.6x32 mm	Amber	100 Pcs/Box



9-425 Screw-thread vials

Cat. #	Write-on Spot	Capacity	O.D.xL	Color	Qty.
V2-T	No	2 mL	11.6x32 mm	Clear	100 Pcs/Box
V2-TL	Yes	2 mL	11.6x32 mm	Clear	100 Pcs/Box
V2-A	No	2 mL	11.6x32 mm	Amber	100 Pcs/Box
V2-AL	Yes	2 mL	11.6x32 mm	Amber	100 Pcs/Box



10-425 Screw-thread vials

Cat. #	Write-on Spot	Capacity	O.D.xL	Color	Qty.
V3-T	No	2 mL	11.6x32 mm	Clear	100 Pcs/Box
V3-TL	Yes	2 mL	11.6x32 mm	Clear	100 Pcs/Box
V3-A	No	2 mL	11.6x32 mm	Amber	100 Pcs/Box
V3-AL	Yes	2 mL	11.6x32 mm	Amber	100 Pcs/Box



11mm Snap-top vials

Cat. #	Write-on Spot	Capacity	O.D.xL	Color	Qty.
V4-T	No	2 mL	11.6x32 mm	Clear	100 Pcs/Box
V4-TL	Yes	2 mL	11.6x32 mm	Clear	100 Pcs/Box
V4-A	No	2 mL	11.6x32 mm	Amber	100 Pcs/Box
V4-AL	Yes	2 mL	11.6x32 mm	Amber	100 Pcs/Box



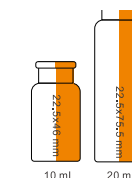
11mm Crimp-top vials

Cat. #	Write-on Spot	Capacity	O.D.xL	Color	Qty.
V5-T	No	2 mL	11.6x32 mm	Clear	100 Pcs/Box
V5-TL	Yes	2 mL	11.6x32 mm	Clear	100 Pcs/Box
V5-A	No	2 mL	11.6x32 mm	Amber	100 Pcs/Box
V5-AL	Yes	2 mL	11.6x32 mm	Amber	100 Pcs/Box



Crimp-top headspace vials

Cat. #	Write-on Spot	Capacity	O.D.xL	Color	Qty.
V8-10T	No	10 mL	22.5x46 mm	Clear	100 Pcs/Box
V8-20T	No	20 mL	22.5x75.5 mm	Clear	100 Pcs/Box



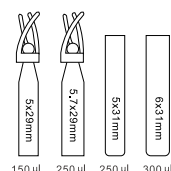
Storage Vials

Cat. #	Write-on Spot	Capacity	O.D.xL	Color	Qty.
V9-10T	No	10 mL	22.5x46 mm	Clear	100 Pcs/Box
V9-20T	No	20 mL	22.5x75.5 mm	Clear	100 Pcs/Box



Micro-inserts

Cat. #	Description	O.D.xL	Color	Qty.
SI-1	Glass inserts with mandrel interior and polypropylene feet, for 8-425 screw-thread vials	150 µL	5x29 mm	100 Pcs/Box
SI-2	Glass inserts with mandrel interior and polypropylene feet, for 9-425 screw-thread vials	250 µL	5.7x29 mm	100 Pcs/Box
SI-3	Flat-bottom glass inserts, for 8-425 screw-thread vials	250 µL	5x31 mm	100 Pcs/Box
SI-4	Flat-bottom glass inserts, for 9-425 screw-thread vials	300 µL	6x31 mm	100 Pcs/Box



Proteinase K

Proteinase K is a broad-spectrum serine protease with a relative molecular weight of approximately 29.3 kDa that cleaves the carboxy-terminal peptide bonds of aliphatic and aromatic amino acids. Proteinase K is widely applied to enzymatic glycosylated hemoglobin reagents and glycosylated albumin reagents research. Proteinase K is also a key reagent for nucleic acid extraction which enzymatically hydrolyze histones bound to nucleic acids to free DNA for subsequent purification.

Ordering Information

Cat. #	Description	Qty.
PK02	Proteinase K powder	100 mg/Bottle
PK03	Proteinase K powder	100 g/Bottle



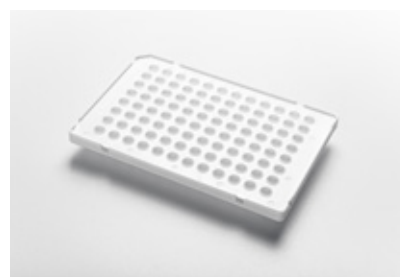
PCR Tube/Plate

- USP Class VI and FDA certified medical grade polypropylene raw materials
- Thin tube wall, fast heat transfer, precise temperature control
- Ultra-transparent tube cover design can ensure that the fluorescent signal can pass through without obstacles
- Good sealing performance of the tube cover, which prevents contamination, and is easy to open
- Autoclavable (121°C sterilized for 20 min)
- DNA-free, DNase-free, RNase-free and pyrogen-free



Ordering Information

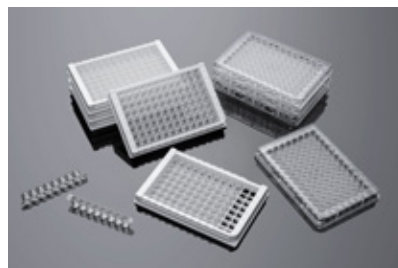
Cat. #	Description	Qty.
ST002	0.2 mL, single PCR tube, transparent, flat cap	1000 Pcs/PK
ST005	0.5 mL, single PCR tube, transparent, flat cap	1000 Pcs/PK
4WT-001	0.1 mL, 4-strip PCR tube, transparent	250 Pcs/PK
8WT-001-CHN	0.1 mL, 8-strip PCR tube, transparent, suitable for 8-strip flat cap	125 Pcs/PK
8WT-002-CHN	0.2 mL, 8-strip PCR tube, transparent, suitable for 8-strip flat cap	125 Pcs/PK
8WT-001-1	0.1 mL, 8-strip PCR tube, transparent, suitable for 8-strip dome cap	125 Pcs/PK
8WT-002-1	0.2 mL, 8-strip PCR tube, transparent, suitable for 8-strip dome cap	125 Pcs/PK
8WT-001-2	0.1 mL, 8-strip PCR tube with attached individual caps, transparent	125 Pcs/PK
8WT-002-2	0.2 mL, 8-strip PCR tube with attached individual caps, transparent	125 Pcs/PK
8WT-001W	0.1 mL, 8-strip PCR tube, white, suitable for 8-strip flat cap	125 Pcs/PK
8WT-001W-1	0.1 mL, 8-strip PCR tube, white, suitable for 8-strip dome cap	125 Pcs/PK
8WT-002W-1	0.2 mL, 8-strip PCR tube, white, suitable for 8-strip flat cap	125 Pcs/PK
8WT-002W-2	0.2 mL, 8-strip PCR tube, white, suitable for 8-strip dome cap	125 Pcs/PK
96WT-001-N	0.1 mL, 96 well PCR Plate, transparent, non-skirt	25 Pcs/PK
96WT-001-H	0.1 mL, 96 Well PCR Plate, transparent, semi-skirt	25 Pcs/PK
96WT-001W-N	0.1 mL, 96 Well PCR Plate, white, non-skirt	25 Pcs/PK
96WT-001W-H	0.1 mL, 96 Well PCR Plate, white, semi-skirt	25 Pcs/PK
96WT-002-N	0.2 mL, 96 Well PCR Plate, transparent, non-skirt	25 Pcs/PK
96WT-002-H	0.2 mL, 96 Well PCR Plate, transparent, semi-skirt	25 Pcs/PK
96WT-002W-N	0.2 mL, 96 Well PCR Plate, white, non-skirt	25 Pcs/PK
96WT-002W-H	0.2 mL, 96 Well PCR Plate, white, semi-skirt	25 Pcs/PK
384WT-001-H	30 µL, 384 Well PCR Plate, transparent, full-skirt	25 Pcs/PK
384WT-001W-H	30 µL, 384 Well PCR Plate, white, full-skirt	25 Pcs/PK



ELISA Microplates

Enzyme Linked Immunosorbent Assay (ELISA) is a qualitative and quantitative detection method that binds soluble antigens or antibodies to a solid-phase carrier for immune reaction by specific binding of antigens and antibodies. ELISA is widely used in immunoassays because of its high detection sensitivity, strong specificity, safety and reliability.

biocomma® ELISA Microplates, as a solid-phase carrier in the experiment, is used to adsorb antigens, antibodies, or antigen-antibody complexes, which play a critical role in the overall experimental results.



Features

- Designed for ELISA and compliant with ANSI/SBS standards
- High signal-to-noise ratio
- Excellent protein adsorption capacity
- Good batch-to-batch stability
- Available with pinchbar or strip plates
- Flat bottom enables precise optical measurements

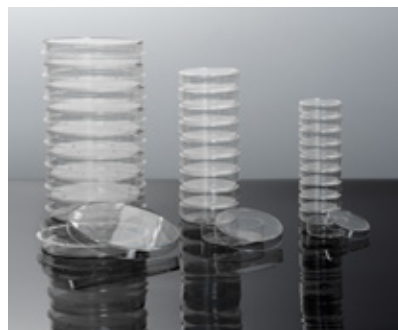


Ordering Information

Cat. #	Description	Qty.
96EP-NBW	ELISA Microplates, pinchbar, clear	10 Pcs/PK, 20 PK/Ctn.
96EP-BKW	ELISA Microplates, strip plates, clear 8 strip, white frame	20 Pcs/PK, 20 PK/Ctn.

Cell Culture Dishes

biocomma® Cell Culture Dishes as new generation dishes improve treatment, stacking and transportation of cell cultures in the laboratory. Raised outer edge and grip ring are designed to avoid sliding dishes and seamless stacking.



Features

- Electron beam sterilization
- Vacuum-gas plasma treatment promotes cell attachment
- Clearly marked batch number is traceable
- Made of polystyrene which allow distortion-free microscopic observation
- Pyrogen-free, endotoxin-free

Ordering Information

Cat. #	Description	Qty.
CCD-35	35 mm cell culture dish, vacuum-gas plasma treatment	10 Pcs/PK, 50 PK/Ctn.
CCD-60	60 mm cell culture dish, vacuum-gas plasma treatment	20 Pcs/PK, 25 PK/Ctn.
CCD-100	100 mm cell culture dish, vacuum-gas plasma treatment	10 Pcs/PK, 30 PK/Ctn.

06

LABORATORY EQUIPMENT



M32 Nucleic Acid Extraction System

Based on magnetic beads adsorption and separation method, M32 Automated Nucleic Acid Extraction Systems achieves fast extraction of 1~32 samples at a time. The device is widely applied to disease prevention and control, animal quarantine, clinical diagnosis, entry-exit inspection quarantine, food and drug administration, forensic identification, teaching and scientific research.

Features

- Efficiency: 9 min rapid extraction achieved with biocomma Nucleic Acid Extraction Kits
- Anti-Pollution: avoid aerosol pollution between batches and reduce operation risks by disposable tip combs and ultraviolet light
- Intelligent: graphical programming interface is easy to understand and operate
- Standardization: edit and save multiple programs as needed to ensure uniform experimental conditions
- Automation: automated nucleic acid extraction is 4-5 times faster than a single manual extraction
- Open System: compatible with all kinds of magnetic bead nucleic acid purification kits on the market



M32 Purification Kits



8 Strip Tip Combs

Parameters

Model	M32
Throughput	1~32
Volume	20~1000 µL
Consumables	96 well deep plate + 8 strip tip combs
Recovery	≥ 99%
CV	< 5%
Humidity	10~90%
Temperature	10~40 °C
Controlling Temperature Range	RT ~ 80 °C
Vibration	Level 1-3 adjustable
Sterilization	UV light, exhaust filtration
Reagents	Prepacked magnetic beads nucleic acid extraction kits
Interface	Integrated touch screen
Program	Create new, edit and delete
Port	USB
Dimensions (L*W*H)	400*420*440mm
Power Supply	A.C. 100~220 V, 3.15 A, 50/60 Hz
Weight	25 Kg

Ordering Information

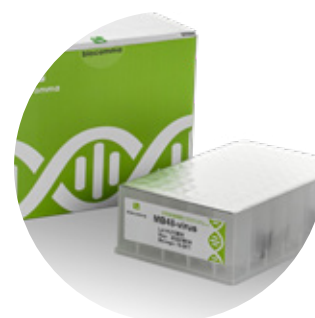
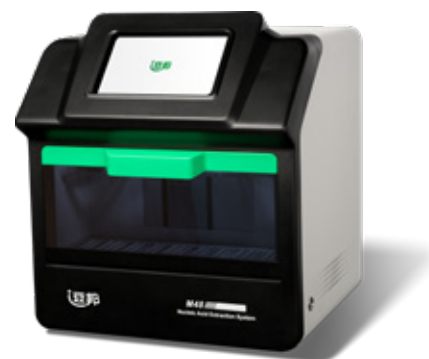
Cat. #	Description	Qty.
NAES-32	M32 Nucleic Acid Extraction System	1 Set/Carton

M48 Nucleic Acid Extraction System

Based on magnetic beads adsorption and separation method, M48 Automated Nucleic Acid Extraction Systems achieves fast extraction of 1~48 samples at a time. The device is widely applied to disease prevention and control, animal quarantine, clinical diagnosis, entry-exit inspection quarantine, food and drug administration, forensic identification, teaching and scientific research.

Features

- **Cooling:** the temperature of all elution positions is less than 25°C during pyrolysis heating to reduce the maximum of eluent volatilization
- **Safety:** UV light and exhaust filtration reduce aerosols and volatile gases in the chamber
- **Open System:** edit extraction programs, mixing modes, and pause at any step on the touch screen. Compatible with all kinds of magnetic bead nucleic acid purification kits on the market
- **Variable Throughput:** place up to three 96-well plates, each plate extracts 16 samples
- **Upgradable:** reserved ports to support secondary development. Create a full automation solution.
- **Convenience:** easy to operate, simple and fast



M48 Purification Kits

Parameters

Model	M48
Throughput	1~48
Volume	20~1000 µL
Consumables	96 well deep plate + 8 strip tip combs
Recovery	≥ 99%
CV	< 5%
Humidity	30~80%
Temperature	10~40 °C
Controlling Temperature Range	4~120 °C
Vibration	Level 1-3 adjustable
Sterilization	UV light, exhaust filtration
Reagents	Prepacked magnetic beads nucleic acid extraction kits
Interface	Integrated touch screen
Program	Create new, edit and delete
Port	USB
Dimensions (L*W*H)	500*460*540 mm
Power Supply	A.C. 100~199 V, 11A / 200~240 V, 6.5 A, 50/60 Hz
Weight	40 Kg



8 Strip Tip Combs

Ordering Information

Cat. #	Description	Qty.
NAES-48	M48 Nucleic Acid Extraction System	1 Set/Carton

M96 Nucleic Acid Extraction System

Based on magnetic beads adsorption and separation method, M96 Automated Nucleic Acid Extraction Systems achieves fast extraction of 96 samples at a time. The device is widely applied to disease prevention and control, animal quarantine, clinical diagnosis, entry-exit inspection quarantine, food and drug administration, forensic identification, teaching and scientific research.

Features

- **Accuracy:** excellent temperature control keeps the temperature at RT to 125 °C Reach the set temperature quickly through semiconductor refrigeration technology
- **High Performance:** functions of self-inspection, power-off protection, high temperature alarm, overheat protection, etc., minimize the loss of samples
- **Protection:** the magnet motor remains stationary during experiment extends the life of the magnet motor and slide rail
- **Quiet:** unique structural design to minimize the noise and interference in the laboratory during operation
- **Programming:** visual touch operation, free program editing, and save more than 100 programs
- **Open System:** compatible with nucleic acid purification kits based on the nano-magnetic beads



M96 Purification Kits

Parameters

Model	M96
Throughput	1~96
Volume	20~1000 µL
Consumables	96 well deep plate + 96 tip combs
Recovery	≥ 99%
CV	< 5%
Humidity	10~90%
Temperature	10~40 °C
Controlling temperature range	RT~125 °C
Vibration	Level 1-6 adjustable
Sterilization	UV light
Reagents	Prepacked magnetic beads nucleic acid extraction kits
Interface	Integrated touch screen
Program	Create new, edit and delete
Port	USB
Dimensions (L*W*H)	760*480*570 mm
Power supply	A.C. 100~240 V, 4.0 A, 50/60 Hz
Weight	59 Kg



96 Tip Combs

Ordering Information

Cat. #	Description	Qty.
NAES-96	M96 Nucleic Acid Extraction System	1 Set/Carton

DC48 Automated Sample Preparation System

DC48 loads samples directly from collection tubes with automatic uncapping, sample addition, capping, barcode scanning, and PCR system establishment. This excellent solution for automation of nucleic acid sample preparation realizes auto monitoring of all process.

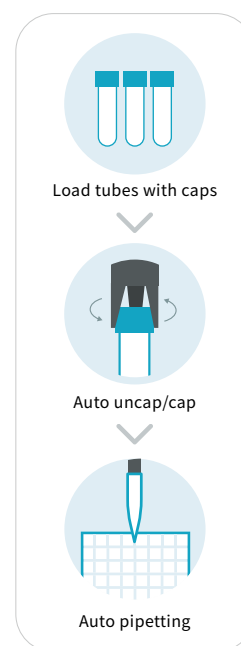
Compatibility

- Automatically pipette liquids, and upload information by scanned barcode
- Adapt multiple collection tubes of 1, 3, 5, and 10 mL
- Support dispensing in deep well plates used for 16 or 96 tests
- Match common nucleic acid extraction systems of 32, 48, and 96 channels

Safety

- Program controls the risk of error and omission. Full process monitoring prevent deviance
- Directional exhaust and HEPA filter create negative pressure, so external biological safety cabinet needed. Drip tray prevents pollution from accident drip
- The built-in UV lights in the experimental and waste cabin disinfect regularly

Uncap one by one to prevent cross contamination.



Parameters

Model	DC48
Function	Auto uncap and cap, scan barcode, solution pipetting and dispensing
Throughput	1-48
CV Value	Below 15 μ L: CV \leq 3%, 15~50 μ L: CV \leq 1.5%, above 50 μ L: CV \leq 1%
Pipetting Volume	5~1,000 μ L
Pipetting Channel	1 Channel
Pipetting System	Liquid level detection and following by air pressure, alarm when detect invalid aspiration and clogged needle The liquid surface follows the function
Collection Tubes	Adapt multiple size of 1, 3, 5, and 10 mL, support common vacuum blood collection tubes
Anti-Pollution	Directional exhaust and HEPA filter, built-in UV lamp, drip tray
Pipette Tips	2*96 pcs 1000ul tips or 96 pcs 1000ul + 96pcs 50ul tips
PCR Tubes	12 pcs PCR 8-strip tube, compatible with 0.1 and 0.2 ml, or 1 pc PCR 96-strip tube plate
Abnormal Alarm	Alarm reminds insufficient of reagents and consumables, supports addition midway
Program Setting	Free edition and large memory to store a variety of programs
Interface & Software	10.1" touch screen, Win10 in Chinese and English, monitor all the processes of pipetting and dispensing
Power Supply	A.C. 100~240 V, 50/60 Hz, 300 VA
Dimensions (L*W*H)	540*740*670 mm
Weight	80 Kg

Ordering Information

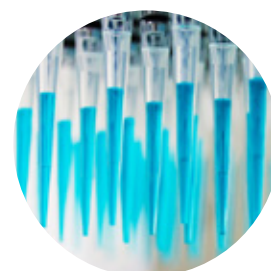
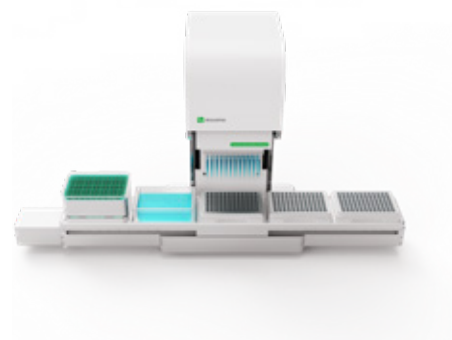
Cat. #	Description	Qty.
NAES-DC48	DC48 Automated Sample Preparation System	1 Set/Carton

BP96A Automated Liquid Handling Workstation

BP96A Automated Workstation precisely pipettes 96 samples at a time. The workstation is a small size, multifunctional, and easy to use equipment to fit laboratory benches, fume hoods, and biological safety cabinets.

Features

- **Efficiency:** 96 channels pipette all samples in a 96-well plate at time, which is 12 times faster traditional manual pipetting
- **Convenience:** multiple options of pipette tips to meet various experimental needs
- **Accuracy:** double sealing design ensures the accuracy of pipetting
- **Automated:** multiple saved programs allow true walk-away automation of purification protocols



Parameters

Workstations	Automated	Manual
Model	BP96A	BP96M
Throughput	96	
Volume Increment	0.01 μ L	
CV	1.0%	
Pipetting Type	Air cushion system	
Position	5 Plates (customized 3~6 plates)	4 Plates
Optional Pipette Tips	0.5~20 μ L, 5~200 μ L, 10~300 μ L	0.5~20 μ L, 5~200 μ L
Movement Accuracy	\pm 0.01 mm	/
Touch screen	Yes	/
Software	Software: ZWorks, Api interface	/
Software Interface	USB, RS-232 Serial Communications	/
Power Supply	A.C. 100~240 V, 50/60Hz	/
Working Environment	Ambient temperature: 5~40 °C Relative humidity: 10~90%, non-condensing	
Dimensions (L*W*H)	5 Plates: 750*250*460 mm	320*450*390 mm

Ordering Information

Cat. #	Description	Qty.
BP96A-E	Automated Liquid Handling Workstations	1 Set/Carton
BP96M-E	Manual Liquid Handling Workstations	1 Set/Carton

DC10 Automated Screw Cap Capper/Decapper

Adapted to the most VTM. Capping or decapping triggered by infrared sensor. Complete capping and decapping of 96 samples in 10 minutes including manual dispensing.

Features

- **Compatibility:** compatible with multiple specifications of tubes
- **Intelligent:** determine the position of the sampling tube in real time by infrared sensor. Automatically record the number of operations. The opening speed is adjustable
- **Efficiency:** one-hand operation, Complete capping or decapping within 3s
- **Portable:** 2 units can be placed in 1 biological safety cabinet
- **Multimode:** 3 optional modes: cap & uncap, cap only, and uncap only



Parameters

Model	DC10H	DC50H
Compatible Tubes	5 mL and 10 mL tubes	50 mL tubes
Cap/Uncap Quantity	1 tube each time	1 tube each time
Opening Speed	3 s/tube	3 s/tube
Cap Diameters	16~22 mm	30~35mm
Control Method	Infrared induction	Infrared induction
Humidity	20~80%	20~80%
Temperature	10~40 °C	10~40 °C
Programs	Built-in programs	Built-in programs
Power Supply	A.C. 110~240 V, 50/60 Hz	A.C. 110~240 V, 50/60 Hz
Dimensions (L*W*H)	180*220*500 mm	180*220*500 mm
Weight	5.5 Kg	5.5 Kg

Ordering Information

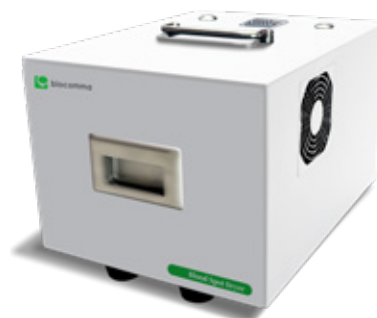
Cat. #	Description	Qty.
BM-DC10H-E	DC10H Automated Screw Cap Capper/Decapper	1 Set/Carton
BM-DC50H-E	DC50H Automated Screw Cap Capper/Decapper	1 Set/Carton

DY-02 Blood Spot Dryer

The dryer dries the DBS cards quickly by low-power circulating air without deformation. The drying time is shortened and the risk of pollution is controlled.

Features

- **Portability:** small size, lightweight, handle design
- **Anti - Interference:** avoid cross-contamination caused by stack cards, prevent external interference of mosquitoes, dust, etc
- **Originality:** the first independent closed dry space design, low-power circulating air dries samples fast
- **Efficiency:** dry multiple samples at once in a short period of time, drying time reduced from 4 hours to 40 minutes



Parameters

Drying Time	30~40 min (humidity 70%)
Max. Capacity	10 cards
Timing Range	0 ~ 99 h 99 min
DBS Specifications	< 75 * 130 mm
Max. Relative Humidity	80% (no condensation)
Ambient Temperature	5 ~ 35 °C
Power Supply	A.C. 220 V, 50 Hz
Air Volume	27.55 CFM
Power	20 W
Dimensions (L*W*H)	370*280*243 mm
Weight	20 Kg

Ordering Information

Cat. #	Description	Qty.
DY-02-E	Blood Spot Dryer	1 Set/Carton
XSB003E	Neonatal Screening Card	100 Pcs/Box

BCM2500 Multifunctional Vortex Mixer

Deal with up to 50 samples at a time. Various adaptors fit the needs of vortex of different tube specifications.

Features

- **Efficiency:** 2500 rpm to release samples sufficiently
- **Multimode:** optional intermittent pulse blending mode is suitable for various samples
- **Optimization:** optimized for biological sample extraction and mixing to ensure vortex effect
- **Convenience:** adapt special tube holders for easy observation
- **Timing:** timing settings available, no monitoring needed
- **Stability:** top and bottom double fixation to ensure long time mixing without shifting
- **Compatibility:** suitable for various specifications of centrifuge tubes, 96 and 384 well plates



Foam Tube Holder 50 mL



Foam Tube Holder 15 mL

Parameters

Model	BCM2500
Speed Range	500~2500 rpm
Speed Accuracy	±1 rpm
Orbit	3.6 mm
Timing Range	0 s~99 h 59 min
Interval Range	1~99 s
Interval Operation Timing Range	1~999 s
Maximum Load	4.5 Kg
Power Supply	A.C 100~230 V, 50/60 Hz
Power	75 W
Dimensions (L*W*H)	426*246*474 mm

Ordering Information

Cat. #	Description	Qty.
BCM2500-E	Multifunctional Vortex Mixer	1 Set/Carton
BCM-2500-PM15	Foam tube holder 15 mL	1 Pc/Box
BCM-2500-PM50	Foam tube holder 50 mL	1 Pc/Box
BCM-2500-SD/XD	Top and bottom foam tray (standard accessory)	1 Pc/Box

SDC-3000 Multi-Tube Vortex Mixer

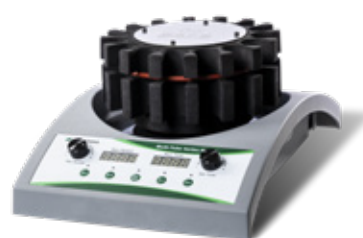
Biocomma Multi-Tube Vortex Mixer is a sample pretreatment device specially designed for liquid-liquid and solid-liquid mixing in the laboratory. The strong vortex effect is also suitable for high viscosity samples.

Applications

Multi-Tube Vortex Mixer is suitable for different volume tubes and multi tube vortex, which mainly apply to the pretreatment of detections such as pesticide residues, veterinary drug residues, additives, mycotoxins, and environment.

Features

- **Convenience:** fixed by elastic band, easy to place tubes and observe vortex effect
- **High Speed:** rotating speed is up to 2800 rpm to mix well samples.
- **Intelligence:** save up to 4 programs with preset vortex time and speed
- **Use Friendly:** press button design ensures effective operation by even wearing cotton work gloves or wet hands
- **Compatibility:** 3 options of carousel attachments to fit various tubes



16 positions for 50 mL tubes
(16-32 mm diameter)



26 positions for 15 mL tubes
(10-16 mm diameter)

Parameters

Model	SDC-3000
Speed Range	0~2,800 rpm
Timing	1~1,999 min
Memory	4 saved programs with preset vortex time and speed, and one-button start
Carousel Accessories	Standard: 20 positions of 10 positions for 15ml tubes (10-16 mm diameter) plus 10 positions for 50ml (16-32 mm diameter) Optional: 26 positions for 15ml tubes (10-16 mm diameter) Optional: 16 positions for 50ml tubes (16-32 mm diameter) Customizable
Ingress Protection	IP20
Maximum Load	2.1 Kg
Settings	Set and continuously adjust on the digital display
Orbit	3 mm
Accessories	Multi tube holders, elastic band
Electrical Safety	Overload power outage
Working Environment	5~35 °C , relative humidity 80%
End Alarm	Yes
Safety Leakage Port	Yes
Electrical Requirements	A.C 110~220 V, 50/60 Hz
Power	60 W
Dimensions (L*W*H)	320*474*208 mm
Weight	18.8 Kg

Ordering Information

Cat. #	Description	Qty.
SDC-3000-E	Multi-Tube Vortex Mixer with standard carousel accessories: 20 positions of 10 positions for 15mL tubes (10-16 mm diameter) plus 10 positions for 50mL (16-32 mm diameter)	1 Set/Cartron
SDC-3000-E-15	26 positions for 15 mL tubes (10-16 mm diameter)	1 Pc/Box
	16 positions for 50 mL tubes (16-32 mm diameter)	1 Pc/Box

BCN9602 96-Well Plate Nitrogen Evaporator

96-Well Plate Nitrogen Evaporator is a nitrogen concentration device that combines microcomputer processing and PID control. The working principle is to blow nitrogen rapidly, continuously and uniformly to the surface of sample.

According to the evaporation speed and boiling point of the solvent, the heating temperature is set to complete rapid anaerobic concentration of large samples, which improves the recovery and reproducibility of the target analyte.

Applications

Sample preparation in clinical research and testing, drug screening, hormone analysis, liquid phase and mass spectrometry.

Features

- **Anti-pollution:** independent gas needles avoid cross contamination.
- **Adjustable:** standard gas needle is 80 mm and the height of needles holder is adjustable.
- **Flexible:** each blowing channel can be used individually or in combination.
- **Convenience:** each gas needle corresponds to the 96-well vertically which is easy to adjust.
- **Accuracy:** temperature controlling is accurate, extensive, and convenient for calibration.
- **Safety:** protective lifting system is secure to use.
- **Scale:** lifting system with scale is positioned accurately.
- **Uniformity:** excellent and uniform heat transfer.



Parameters

Model	BCN9602
Temperature Range	RT + 5~150 °C
Temperature Display Accuracy	±0.1 °C
Temperature Uniformity @100 °C	≤ ±0.5 °C
Temperature Uniformity @150 °C	≤ ±1 °C
Heating Time	≤ 30 min
Timing Range	1 min ~ 99 h 59 min
Max. Movement	275 mm
Max. Gas Pressure	0.1 Mpa
Max. Gas Flow	10 L/min
Air Inlet Outer Diameter	Φ7 mm
Needle Length	80 mm (suitable tube diameter <Φ10 mm)
Power	400 W
Power Supply	A.C. 110/220 V, 50/60 Hz
Weight	5.5 Kg
Dimensions (L*W*H)	220*260*445 mm

Ordering Information

Cat. #	Description	Qty.
BCN9602-E	96-Well Plate Nitrogen Evaporator (110 V)	1 Set/Box
BCN9602-E1	96-Well Plate Nitrogen Evaporator (220 V)	1 Set/Box
BCN02	Gas Control Valve	1 Pc/Box

BCN9603 96-Well Plate Intelligent Nitrogen Evaporator

96-Well Plate Smart Nitrogen Evaporator is specially designed for rapid anaerobic concentration for 96-well plates. The device can blow heated nitrogen to the surface of sample to evaporate the solvent faster and improve efficiency.

Applications

Sample preparation in clinical research and testing, drug screening, hormone analysis, liquid phase and mass spectrometry.

Features

- **Anti-pollution:** independent gas needles are removable for convenient cleaning
- **Adjustable:** front lifting knob design is more user-friendly
- **Convenience:** touch screen is easy to operate
- **Intelligence:** editable Programs enable intelligent operations
- **Accuracy:** precise control of airflow and temperature
- **Efficiency:** nitrogen and bottom plate can be heated to improve blowing efficiency



Parameters

Model	BCN9603
Temperature Range	RT ~ 80 °C
Max. Stroke	35 mm
Max. Gas Pressure	0.6 Mpa
Max. Gas Flow	25 L/min
Air Inlet Outer Diameter	Φ8 mm
Needle Length	80 mm (suitable tube diameter <Φ10 mm)
Power	600 W
Power Supply	A.C. 220 V, 50/60 Hz
Weight	6.5 Kg
Dimensions (L*W*H)	259*310*365 mm

Ordering Information

Cat. #	Description	Qty.
BCN9603-E	96-Well Plate Intelligent Nitrogen Evaporator (110V)	1 Set/Carton
BCN9603-E1	96-Well Plate Intelligent Nitrogen Evaporator (220V)	1 Set/Carton

NFW80 High-Throughput Automated Nitrogen Evaporator

NFW 80 High-throughput Automatic Nitrogen Evaporator is a concentrating device that combines water bath and nitrogen blowing. The airflow split control is suitable for fast pretreatment of large batches of samples. The evaporator has become a standard equipment in many industries.

Features

- **High Throughput:** up to 80 positions of 20 ml tubes can be concentrated simultaneously, compatible with various tubes
- **Automated:** set gas needles' moving speed by software during concentration. The needles automatically track the liquid level to ensure the best distance for concentration. Software controls the nitrogen flow by electrical regulating valves
- **Modularity:** install up to 6 groups of nitrogen blowing needles, and control each group individually
- **Intelligent:** one-click to add and drain water, and the equipped liquid level sensor in water bath automatically determine the end point
- **Visibility:** check the concentration status through glass window on 3 sides



Parameters

Model	NFW80
Methodology	Concentrate by water bath and nitrogen blowing simultaneously
Sample Positions	1~80
Sample Volume	10~100 mL
Sample Tube	Compatible with various tube specifications, multiple choice of sample racks
Ambient Temperature	10~40 °C
Ambient Humidity	20 ~ 80%
Gas Needle Movable Distance	≤ 160 mm
Gas Needle Track Mode	Automatically move down to track liquid level at a constant speed, and software controls the moving speed
Gas Flow	Range: 0.0~4.0 L/min, accuracy of 0.1 L/min
Gas Needle Channels	≥ 6 groups
Water Bath	Equipped liquid level sensor and automatic water supply and drainage function
Gas Needle Controlling Accuracy	0.1 mm
Security	Alarm of water level over-limit, pressure over-limit, etc., and automatically cut off the airflow
Dimensions (L*W*H)	550*400*580 mm
Power Supply	A.C. 200~240V, 50/60 Hz

Ordering Information

Cat. #	Description	Qty.
NFW 80-E	High-Throughput Automated Nitrogen Evaporator	1 Set/Carton
NFW80-4801	48 positions sample rack (15 ml centrifuge tubes, 14-16 mm)	1 Pc/Box
NFW80-4802	48 positions sample rack (28-30 mm tubes)	1 Pc/Box
NFW80-8001	80 positions sample rack (≤ 20 ml tubes)	1 Pc/Box
NFW80-06	Needle rack (6 positions)	1 Pc/Box
NFW80-10	Needle rack (10 positions)	1 Pc/Box

BN24 Intelligent Water-Bath Nitrogen Evaporator

BN24 Intelligent Water-Bath Nitrogen Evaporator concentrates samples rapidly by water bath and blowing heated nitrogen to the surface of samples. The device is widely applied to sample preparation in gas phase, liquid phase and mass spectrometry analysis.

Features

- **Precise Control:** needle valves with scaled dial fine-tune gas flow in each channel
- **Flexibility:** supports group control of 6, 12, 18, and 24 samples simultaneously
- **Smart Adjustment:** dual control mode of manual and automatic programs. One-button switch of main gas valve
- **Digital Display:** real-time display of nitrogen pressure, water bath temperature and concentration time, etc
- **Fast Replacement:** the gas needle is made of strong corrosion resistant 316 stainless steel, which can be replaced as easily.
- **Visual Analysis Process:** check all concentration process through front window and built-in lightning
- **Easy to Use:** sample holder can be rotated 360° on the disc structure



Parameters

Model	BN24
Heating Method	Water-bath heating
Temperature Range	RT~100 °C
Temperature Accuracy	PID temperature controller, accuracy: ± 0.5 °C
Channel	24 (4 groups control)
Adapt Container	Test tubes, centrifuge tubes, conical flasks, evaporating flasks, etc.
Container Dimensions	$\varnothing 10\text{-}35$ mm, H32-200 mm
Operating Volume	1~150 mL
Operating Temperature	15~35 °C
Operating Humidity	45~80%
Input Pressure	7~145 psi
Output Pressure	0~72.5 psi
Interface	Integrated 5" HDV touch screen
Software	One-button switch of main gas valve, Language: Chinese and English, Real-time display of nitrogen pressure, water bath temperature and concentration time, etc.
Dimensions	640*460*1020 mm
Power	2.2 KW
Power Supply	A.C 220 V / 110 V, 50 Hz
Weight	30 Kg

Ordering Information

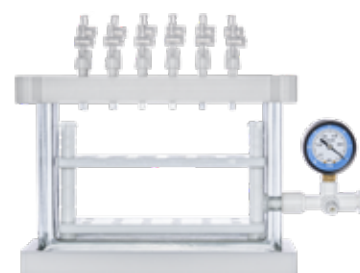
Cat. #	Description	Qty.
BN24-E	Intelligent Water-Bath Nitrogen Evaporator	1 Set/Cartron

SPEMF Solid Phase Extraction Vacuum Manifold

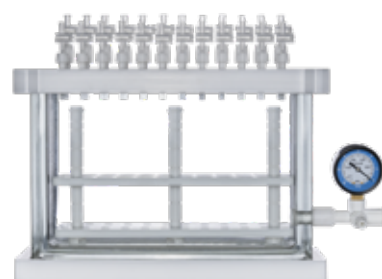
Solid Phase Extraction Vacuum Manifold processes multiple samples at the same time to realize activating, loading, rinsing, eluting and other processes in SPE sample pretreatment by controlling the pressure.

Features

- **Accuracy:** individual valves control the flow rate independently and accurately
- **Convenience:** the pressure gauge is installed on the upper side of sealing cover, which is easy to read
- **Compatibility:** the height of the test tube rack is adjustable to meet the needs of different capacities
- **Reliability:** the vacuum chamber is formed by a quartz glass mold with uniform wall thickness and other parts are made of PTFE material, which are resistant to strong acid and alkali
- **Anti-pollution:** anti-cross-contamination and anti-atomization vacuum chamber design
- **Efficiency:** compatible with a large capacity collector to concentrate mass samples rapidly
- **Stability:** special designed flow channel enable the pressure more uniform and the flow rate more stable



12-Port SPE Vacuum Manifold



24-Port SPE Vacuum Manifold

Parameters

Model	SPEMF12G	SPEMF24G-S
Ports	12	24
Lid	Polyoxymethylene	Polyoxymethylene
Glass Vacuum Chamber	Quartz	Quartz
Pressure Resistance	-80 Kpa	-80 Kpa
Stable Pressure	0~80 Kpa	0~80 Kpa
Test Tubes	≤ 105 mm, Φ10/Φ13/Φ15	≤ 105 mm, Φ10/Φ13/Φ15

Ordering Information

Cat. #	Description	Qty.
SPEMF12G-E	12-Port SPE Vacuum Manifold, square shape, individual flow valve, transparent glass	1 Set/Carton
SPEMF24G-S-E	24-Port SPE Vacuum Manifold, square shape, individual flow valve, transparent glass	1 Set/Carton

Vacuum Manifolds

The Vacuum Manifolds are specially designed for high-throughput nucleic acid purification, solid phase extraction, protein precipitation, Oligo synthesis and other applications. The manifolds are adapted to 48/96/384 well plates and Luer-inlet columns to eliminate repetition of pipetting and centrifugation in traditional nucleic acid extraction methods.

Features

- **Reliability:** made of anti-corrosion and durable material
- **Uniformity:** the compact design ensures uniform flow rate during extraction at negative pressure
- **Convenience:** eliminate repeated operations of centrifugation and pipetting in traditional methods to improve efficiency

Micro-Filter Plate Vacuum Manifolds



Universal Vacuum Manifolds



Applications

Universal Vacuum Manifolds	Nucleic acid extraction, solid phase extraction, protein precipitation, QuEChERS, phospholipids removal, Oligo synthesis of deprotection, ammonolysis and other processes etc.
Double-Layer Vacuum Manifolds	Enable filtration and extraction at same time for nucleic acid extraction, solid phase extraction, protein precipitation, phospholipids removal, etc.
Micro-Filter Plate Vacuum Manifolds	Protein kinase and phosphatase assays, protein purification, receptor interaction assays, protein binding assays, ELISPOT assays, mass spectrometry, fluorescent dye removal

Ordering Information

Cat. #	Description	Qty.
009803-R-E	Universal Vacuum Manifolds (rose red)	1 Set/Carton
009803-B-E	Universal Vacuum Manifolds (sapphire blue)	1 Set/Carton
009804-R-E	Double-Layer Vacuum Manifolds (rose red)	1 Set/Carton
009804-B-E	Double-Layer Vacuum Manifolds (sapphire blue)	1 Set/Carton
009807-R-E	Micro-Filter Plate Vacuum Manifolds (rose red)	1 Set/Carton
009807-B-E	Micro-Filter Plate Vacuum Manifolds (sapphire blue)	1 Set/Carton

Vacuum Pump

biocomma® Vacuum Pumps are designed to work with vacuum manifolds. Utilizing diaphragm vacuum technology without oil to eliminate contamination of media that occurs in rotary vane pumps.

Parameters

Oil-Free Vacuum Pump	Portable	Adjustable
Model	SPEMFP01-E	SPEMFP02-E
Ultimate Pressure	0.08 MPa	0.02~0.08
Max. Flow	10 L/min	5~30 L/min
Power	55 W	90 W
Power Supply	A.C. 220 V, 50/60 Hz	A.C. 220 V, 50/60 Hz
Weight	3 Kg	3.8 Kg

Portable



Adjustable



Ordering Information

Cat. #	Description	Qty.
SPEMFP01-E	Portable Oil-Free Vacuum Pump, ultimate pressure 0.08 MPa	1 Set/Carton
SPEMFP02-E	Adjustable Oil-Free Vacuum Pump, adjustable pressure: 0.02~0.08, waste collection bottle included	1 Set/Carton

BCY96 Positive Pressure 96 Processor

BCY96 Positive Pressure 96 Processor uses a continuous positive pressure gas source to drive variable viscosity liquids through each well of 96-well plate. Applying parallel gas pressure from top of the device ensures highly uniform flow rate across 96 wells.

Features

- **Stability:** flow rates are highly uniform between wells. Pressure is constant in each well
- **Efficiency:** provide excellent flow rate for viscous samples. Universal design fits all SPE 96 well plates
- **Reproducibility:** improve the reproducibility of solid-phase supported liquid-liquid extraction (SLE), solid-phase extraction (SPE) and protein precipitation filtration (PPT)
- **Easy to Use:** adjustable gas pressure is up to 100psi



BCY9602-E



BCY9601-E

Parameters

Model	BCY9601	BCY9602
Throughput	1~96	1~96
96-Well Output Working Pressure	Low pressure area: 0~15 psi High pressure area: 0~95 psi	Low pressure area: 0~15 psi High pressure area: 0~100 psi
External Working Air Pressure	0.35~0.7 Mpa	0.35~0.7 Mpa
Flatness of Movable Platen	Height error $\leq \pm 0.1$ mm	Height error $\leq \pm 0.1$ mm
96-Well Gas Pressure Uniformity	$\leq \pm 10\%$	$\leq \pm 10\%$
Operating Humidity	10~90%	10~90%
Operating Temperature	10~40 °C	10~40 °C
Applicable Consumables	96-well extraction plate, 2 ml collection plate	96-well extraction plate, 1 ml collection plate, 2 ml collection plate
Operation Method	Switch knob control	Switch knob control
Power Mode	Pneumatic control, no external power supply required	Pneumatic control, no external power supply required
Dimensions (L*W*H)	260*300*360 mm	260*300*330 mm
Weight	8 Kg	8 Kg

Ordering Information

Cat. #	Description	Qty.
BCY9601-E	Positive Pressure 96 Processor	1 Set/Carton
BCY9602-E	Positive Pressure 96 Processor (includes adapters to fit more plates)	1 Set/Carton

BCS901 Heat Sealer

The heat sealer adapts various plates, and easy to operate. The sealing temperature and time are adjustable. Sealed films prevent sample evaporation, leakage and cross contamination.

Features

- **Fast:** adjustable sealing temperature of 80~200°C , real-time display, rapid heating up to reach 170°C in 300s, rapid cooling down by fan
- **Suitability:** adjustable sealing pressure to adapt various micro plates and sealing films
- **Stable:** temperature is controlled by microprocessor with good accuracy and good reproducibility
- **Adjustable:** temperature adjustment unit is 1°C , and the time adjustment unit is 0.1s
- **Advanced:** adopt advanced ceramics platen heating technology to avoid adhesion of sealing films due to overheat
- **Automated:** switch to stand-by mode automatically after 60 minutes inactivity to save energy



Universal Adaptor



PCR Adaptor



Parameters

Model	BCS9601
Sealing Temperature	80 ~ 200 °C (Minimum adjustable unit 1.0 °C)
Temperature Accuracy	±1 °C
Temperature Uniformity	±1 °C
Sealing Time	0.5 ~ 10 s (Minimum adjustable unit of 0.1s)
Compatible Plate Material	PP (polypropylene) / PS (polystyrene) / PE (polyethylene)
Compatible Plate Types	Various standard multi-well plates: PCR plates (full skirt, half skirt, and no skirt), deep well plates, Elisa plates, etc
Compatible Film Material	Foil-polypropylene, transparent polyester fiber-polypropylene, transparent polymer, transparent thin polymer, foil
Sealing Pressure Range	Level 1-5
Compatible Plate Height	9~48 mm, no adjustment needed
Front Panel Material	Fireproof ABS
Heat Sealing Platform Material	Ceramics
Power Supply	A.C. 220 V / 110 V, 50/60 Hz
Maximum Input Power	300 W
Dimension (L*W*H)	180*360*380 mm
Weight	12 Kg

Ordering Information

Cat. #	Description	Qty.
BCS9601-E	Heat Sealer	1 Set/Cartron

TWM160 Cyclone Mill

TWM160 Cyclone Mill is a grinder specially designed for NIR near-infrared analysis of food and feed. Sample collides and rubs against the rotary knife and the screen ring by the airflow formed by the high-speed rotary knife, so that desired crushing effect achieved in a very short time.

Applications

Industries: agriculture, pharmaceuticals, food, feed, tobacco, etc.

Sample types: soft, medium-hard, brittle, fibrous, low-fat, etc.

Typical samples: granular tablets, grains, beans, corn, feed, tobacco, etc.

Features

- **High Efficiency:** powerful motor to ensure high efficiency grinding
- **Convenience:** the cyclone collects samples quickly
- **Protection:** ensure the sample won't thermally degrade
- **Anti-Pollution:** no cross-contamination, and easy to clean
- **Uniform:** uniform particle size distribution for good reproducibility and reliability of results

Parameters

Model	TWM160
Crushing Principle	Collision, cutting
Particle Size	< 15 mm
Grinding Particle Size	< 220 μ m
Batch Feeding Amount	< 250 mL
Motor Speed	12000 / 14000 / 17000 rpm Digital display
Circumferential Speed	82 m/s
Rotary Knife Diameter	100 mm
Power	1.1 KW
Power Supply	A.C. 220 V, 50 Hz

Ordering Information

Cat. #	Description	Qty.
TWM160- E	TWM160 Cyclone Mill	1 Set/Carton



Impeller Cutter Head



Fixed Screen Ring



TD100 Knife Mill

TD100 Knife Mill is special designed for crushing and homogenizing samples to analysis fineness in tens of seconds. The high homogenization degree of grinding meets various professional requirements of laboratory operation and analysis process.

Applications

Agriculture: pellets, shells, grains, etc.

Drugs: Chinese herbals, medicine, etc.

Biology: animal tissues, leaves, seeds, seedlings, etc.

Food: fruits, vegetables, frozen foods, candies, preserved fruits, meats, etc.

Features

- **Convenience:** fast start up and easy to operate
- **Large Capacity:** up to 700 ml samples
- **High Temperature Resistance:** accessories can be sterilized under high temperature and pressure
- **Compatibility:** both coarse grinding and fine grinding
- **Multiple Modes:** intermittent mode, reverse mode, transient mode
- **Controllability:** powerful industrial motor with controllable speed adhesion of sealing films due to overheat

Parameters

Model	TD100
Particle Size	≤ 45 mm
Grinding Particle Size	250 μm
Maximum Speed	14,000 r/min
Sample Capacity	150 ~ 700mL
Timing Range	0:01 ~ 9:59 (min:s)
Rotary Knife Material	Titanium, stainless steel
Blade Numbers	2
Power	1.1 KW
Power Supply	A.C 220 V, 50 Hz
Dimensions (L*W*H)	260*343*454 mm
Weight	16 Kg

Ordering information

Cat. #	Description	Qty.
TD100-E	Knife Mill	1 Set/Carton
TD100-01	PC Transparent Plastic Grinding Cup	1 Pc/Box
TD100-02	Stainless Steel Grinding Cup	1 Pc/Box
TD100-04	Gravity Top Cover	1 Pc/Box
TD100-05	Gravity Cover with Overflow Channel	1 Pc/Box
TD100-06	Titanium Rotary Knife	1 Pc/Box
TD100-07	Stainless Steel Rotary Knife	1 Pc/Box



Grinding Cup



Gravity Top Cover



Two Blades Rotary Knife



WT-10 Thermostatic Water Bath

WT-10 Thermostatic Water Bath adopts advanced manufacturing process and microcontroller technology, which provides a high-precision, controllable, and constant field for samples. The device is widely used in medicine, biochemistry, light industry, scientific research and other fields.

Features

- **Anti-Corrosion:** stainless steel sink is formed with punch press at one time, and the Teflon-treated surface is wear-resistant and corrosion-resistant
- **Antirust:** the shell is made of cold rolled steel with good performance, and the surface frosted plastic spray treatment to prevent rust
- **Drainage:** discharge sewage quickly through the thick drainage valve on the back
- **Precision:** PID controller has good temperature control linearity, high precision and small fluctuation
- **Display:** parameters are clearly displayed on the TFT large color screen
- **Safety:** photoelectric liquid level sensor alarms at low liquid level and cut off power while overheating
- **Uniformity:** pouring heating plate is perfectly fit the tank bottom to ensure good temperature uniformity



Parameters

Model	WT-10
Controlling Temperature Range	RT + 5~100 °C
Timing Range	1 min ~ 99 h 59 min
Controlling Temperature Accuracy	±0.3 °C
Temperature Uniformity	±0.3 °C (37 °C)
Capacity	10 L
Power Supply	A.C. 100~120 V / 200~240V, 50~60 Hz
Power	1 KW
Dimension (L*W*H)	290*395*210 mm
Weight	4.8 kg

Ordering Information

Cat#.	Description	Qty.
WT-10-E	Thermostatic Water Bath	1 Set/Carton

TS-60 Incubator Shaker

TS-60 Incubator Shaker is a laboratory equipment widely applied to the experiment has strict requirements of temperature and oscillation frequency, such as cell culture, fermentation, hybridization, biochemistry, enzymes and cell tissues research. The Incubator shaker realizes the Static and dynamic cell culture.

Features

- **Design:** compact space, low vibration noise, timing wide angle opening transparent cover, easy to observe and operate
- **Accuracy:** the temperature and oscillation frequency are controlled by microcontroller, good temperature uniformity
- **Intelligent:** when the cover is opened, air circulation is halved, the heating and oscillation are automatically stopped to avoid temperature overshoot
- **Stability:** the unique control speed circuit ensures the smooth start of the shaker and prevents damage on equipment from splash
- **Protection:** adjustable fan speed to avoid volatilization of the sample due to excessively fast wind speed
- **Safety:** independent temperature alarm system automatically stops heating when the temperature exceeds the limit to ensure safe operation



Adjustable Flask Holder



Universal Tray



Parameters

Model	TS-60-E	TS-60H-E
Speed	50~300 rpm	200~1200 rpm
Amplitude	20 mm (Circular rotation)	3 mm (Horizontal rotation)
Controlling Temperature Range	RT + 5~60 °C	RT + 5~60 °C
Setting Temperature Range	5~60 °C	5~60 °C
Temperature Stability	±0.3 °C	±0.3 °C
Temperature Accuracy	0.1 °C	0.1 °C
Timing Range	1 min ~ 99 h 59 min	1 min ~ 99 h 59 min
Power Supply	A.C 220 V / 110 V, 50/60 Hz	A.C 220 V / 110 V, 50/60 Hz
Power	400 W	400 W
Fuse	250 V, 2 A / 3 A, $\Phi 5 \times 20$	250 V, 2 A / 3 A, $\Phi 5 \times 20$
Dimensions (L*W*H)	360*435*320 mm	360*435*320 mm
Weight	18.7 Kg	18.7 Kg
Trays	Universal Tray PW-260	Tray PW-1500

Ordering Information

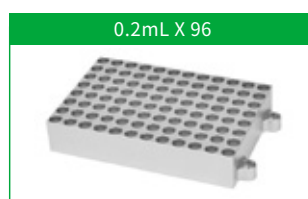
Cat. #	Description	Qty.
TS-60-E	TS-60 Incubator Shaker (Circular rotation)	1 Set/Carton
TS-60H-E	TS-60 Incubator Shaker (Horizontal rotation)	1 Set/Carton

MTB-100 Dry Block Incubator

The incubator is a constant temperature mixing product with fast mixing speed. The 3 functions of mixing, oscillation and incubation heating (MTB-100C has cooling function) are adapt to heat, incubate and catalyze samples in various consumables such as micro-tubes, PCR plates, deep well plates and micro-filter plates.

Features

- **Efficiency:** high efficiency mixing and temperature control, 5 optional preset programs
- **Safety:** multiple safety protection, CE standards, reliable
- **Diversity:** multiple choices of sample modules, easy to replace
- **Accuracy:** temperature calibration and short inching vortex functions
- **Timing:** range of 1 min to 99 h 59 min, or continuously running
- **Memory:** keep running set program after power outage, beep after finished



Parameters

Model	MTB-100-E	MTB-100C-E
Rotation Speed	300~2000 rpm	300~1500 rpm
Amplitude	3 mm (Horizontal rotation)	3 mm (Horizontal rotation)
Controlling Temperature Range	RT + 5~100 °C	0~100 °C
Maximum Cooling Range	/	RT - 20 °C
Setting Temperature Range	5~100 °C	0~100 °C
Module Temperature Stability	±0.3 °C	±0.3 °C
Module Temperature Uniformity	±0.3 °C	±0.3 °C
Temperature Display Accuracy	0.1 °C	0.1 °C
Heating Time	≤ 15 min(20 ~ 100 °C)	≤ 15 min (20 °C to 100 °C)
Cooling Time	/	≤ 15min (Room temperature - 20 °C) Ambient temperature 26 °C
Cooling Rate	/	≥ 7 °C /min (Room temperature - 20 °C) ≥ 1.2 °C /min (Room temperature - 10 °C)
Timing Range	1 min ~ 99 h 59 min	1 min ~ 99 h 59 min, inching
Power Supply	A.C. 110/220 V, 50/60 Hz	A.C 110/220 V, 50/60 Hz
Power	200 W	200 W
Fuse	250 V, 2 A / 3 A, Φ5×20	250 V, 3 A, Φ5×20
Dimensions (L*W*H)	196*270*170 mm	196*270*170 mm
Weight	8.2 Kg	8.8 Kg

Ordering Information

Cat. #	Description	Qty.
MTB-100-E	Dry Block Incubator	1 Set/Carton
MTB-100C-E	Dry Block Incubator (with cooling function)	1 Set/Carton

CF14 High Speed Refrigerated Centrifuge

High speed refrigerated centrifuges are widely applied to clinical medicine, biochemistry, genetic engineering, immunology and other fields, which is commonly used for centrifugal separation in hospitals, scientific research institutions and colleges. Samples can be centrifuged at high speed and low temperature. Multiple purposes are achieved by various rotors.

Features

- **Safety:** optional sealed rotor, all-metal sealing structure, anti-aerosol pollution design
- **Silence:** adopt low-noise maintenance-free waterproof brushless motor
- **Obvious:** high-brightness large-screen LCD displays multi-parameter
- **Multifunctional:** two control modes of rotation speed and relative centrifuge force, automatic calculation and display of relative centrifugal force
- **Stability:** double safety protection case and automatic cover to ensure the quality of samples before and after centrifugation



4*2*8*0.2mL



12*1.5/2mL



Rotor Parameters

CF14	Capacity	Speed (r/min)	RCF (g)
Angle Rotor	16*2 mL (standard)	14000	15500
	12*1.5/2mL	14000	15000
	4*2*8*0.2 mL	14000	16435

Parameters

Model	CF14
Rotation Speed	500~14000 rpm
Max. RCF	15000 g
Max. Capacity	16*2 mL
Temperature Range	-10 °C ~ 30 °C
Noise	≤ 62 dB
Timing Range	15 sec to 99 min / long term
Power Supply	A.C. 240 V, 50/60 Hz
Power	600 W
Weight (Rotor Included)	25 Kg
Dimensions (L*W*H)	540*270*250 mm

Ordering Information

Cat. #	Description	Qty.
BM-CF14-E	CF14 High Speed Refrigerated Centrifuge	1 Set/Cartron
BM-CF14-1	12*1.5/2mL Angle rotor	1 Pc/Box
BM-CF14-3	4*2*8*0.2 mL Angle rotor	1 Pc/Box

H16GM High Speed Centrifuge

High-speed centrifuges are widely applied to clinical medicine, biochemistry, genetic engineering, immunology and other fields, which is commonly used for centrifugal separation in hospitals, scientific research institutions and colleges. Mass samples can be centrifuged at high speed. Multiple purposes are achieved by 13 adapted rotors.

Features

- **Stability:** microcomputer control, brushless DC motor, stable operation and low noise
- **Convenience:** dual operation modes of touch screen and physical buttons, programmable operation, set host operating parameters and auto save
- **Efficiency:** the special combination of shock absorption device lets the motor run smoothly, and prevents the sample from being resuspended to achieve excellent centrifugal effect
- **Safety:** alarm functions of overspeed, overtemperature, unbalance, undervoltage, overvoltage, etc
- **Customization:** 10-speed acceleration and deceleration rate control, save up to 20 sets of defined programs
- **Intelligent:** trigger the adopted silent electromechanical integrated motor door to lock by gently capping



6*50mL



8*15mL



12*1.5mL-2mL



Rotor Parameters

H16GM	Capacity	Speed (r/min)	RCF (g)
Angle Roto	12*1.5 / 2.0 ML (Standard)	16500	18780
	18*1.5 / 2.0 mL	15000	18111
	24*1.5 / 2.0 mL	14000	18220
	10*5 mL	13500	12570
	12*10 mL / 5 mL	12000	13820
	8*15 mL V-Bottom	12000	14830
	8*15 mL U-Bottom	12000	14830
	6*50 mL V-Bottom	11000	12700
	6*50 mL U-Bottom	11000	11610
Dimensions (L*W*H)	6*50 mL Universal	6000	3670
Horizontal Rotor	12*10 mL	4000	2360
	4*100 mL	4000	2490
ELISA Plate Rotor	2*2*48 Well	3000	1120

Parameters

Max. Rotation Speed	16500 rpm
Max. RCF	18780 g
Max. Capacity	4*100 mL
Timing Range	1~99 h 59 min
Running Programs	20
Power	500 W
Noise	≤ 60 dB
Power Supply	A.C. 220 V, 50 Hz
Weight	35 Kg
Dimensions (L*W*H)	550*440*330 mm

Ordering Information

Cat. #	Description	Qty.
H16GM-E	High Speed Centrifuge, 16500 rpm	1 Set/Carton
H16FM-E	High Speed Refrigerated Centrifuge, 16000 rpm	1 Set/Carton
DTZ5-E	Low Speed Auto-Balancing Centrifuge, 5000 rpm	1 Set/Carton

UGF Noiseless Ultrasonic Cleaner

UGF Noiseless Series is famous by its unique multiple sound reduction design which provides a quiet and comfortable environment in the laboratory. Multiple options are available to meet general laboratory requirements of routine cleaning, extraction, emulsification, mixing, degassing and dispersion, etc.

Features

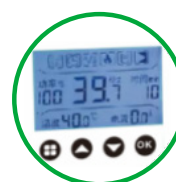
- **Anti-Corrosion:** inner sink is made of SUS304 stainless steel and formed with punch press at one time without welding marks to ensure good performance of waterproof, acid and alkali resistance
- **Powerful:** the transmission power of ultrasonic transducer is 50/60 W. The ultrasonic is powerful and the conversion is highly efficient. The unique cooling system ensures the smooth operating of each component
- **Convenience:** user-friendly customized drainage discharges sewage quickly. Timing and temperature settings are flexible. Set personalized programs
- **Automation:** realized easy control of time, temperature and power by three unique designed dials. Running parameters are displayed on LCD screen
- **Appearance:** The panel is made of plexiglass, and the device appearance is delicate

Parameters

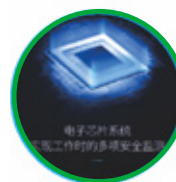
Specification	UC-10-E
Capacity	10 L
Ultrasound Input Power	300 W
Ultrasound Frequency	40 Hz
Heating Power	300 W
Temperature Range	RT~80 °C
Time Setting Range	1~999 min / Normally open
Inner Sink Dimensions (L*W*H)	300*240*150 mm
Dimensions (L*W*H)	328*266*292 mm
Power Supply	A.C. 110V

Ordering Information

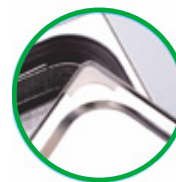
Cat. #	Description	Qty.
UC-06-E	Noiseless Ultrasonic Cleaner, 6 L, power 150 W	1 Set/Carton
UC-10-E	Noiseless Ultrasonic Cleaner, 10 L, power 300 W	1 Set/Carton
UC-15-E	Noiseless Ultrasonic Cleaner, 15 L, power 400 W	1 Set/Carton



LED Screen



Smart Chip



Laser Cutting



Exquisite Details

Manual Pipettes

Features

- Wide measuring range from 0.1µl to 10mL
- EN/IOS08655 standard calibration, and online calibration is available
- The lower half can be sterilized at high temperature and pressure

Ordering Information

Cat. #	Channels	Range	Qty.
DL-2.5	1	0.1~2.5 µL	1 Pc/Box
DL-10	1	0.5~10 µL	1 Pc/Box
DL-20	1	2~20 µL	1 Pc/Box
DL-50	1	5~50 µL	1 Pc/Box
DL-100	1	10~100 µL	1 Pc/Box
DL-200	1	20~200 µL	1 Pc/Box
DL-1001	1	100~1000 µL	1 Pc/Box
DL-1002	1	200~1000 µL	1 Pc/Box
DL-5000	1	1000~5000 µL	1 Pc/Box
DL-10000	1	2~10 mL	1 Pc/Box
DL-10-8	8	0.5~10 µL	1 Pc/Box
DL-50-8	8	5~50 µL	1 Pc/Box
DL-50-12	12	5~50 µL	1 Pc/Box
DL-300-8	8	50~300 µL	1 Pc/Box
DL-300-12	12	50~300 µL	1 Pc/Box



Bottletop Dispensers

Features

- Wide capacity range of 0.5-100mL
- Chemical resistance
- Various accessories are available
- Partial or whole sterilization at high temperature is available
- Pro series designed with backflow valve

Ordering Information

Cat. #	Range	Qty.
DLP-5	0.5~5 mL	1 Pc/Box
DLP-5-Pro	0.5~5 mL	1 Pc/Box
DLP-10	1~10 mL	1 Pc/Box
DLP-10-Pro	1~10 mL	1 Pc/Box
DLP-25	2.5~25 mL	1 Pc/Box
DLP-25-Pro	2.5~25 mL	1 Pc/Box
DLP-50	5~50 mL	1 Pc/Box
DLP-50-Pro	5~50 mL	1 Pc/Box
DLP-100-Pro	10~100 mL	1 Pc/Box



HZK Series Balance

Features

- Large LCD screen
- External calibration or fully automated intelligent internal calibration
- Seven levels of anti-vibration filter are adjustable
- Connect to other devices through USB/RS232 port



HZY Series Balance

Features

- High resolution color touch screen
- Automatic dual range and dual precision function
- Custom dual intelligent internal calibration
- Seven levels of anti-vibration filter are adjustable
- Connect to other devices through USB/RS232 port



HZ Series Balance

Features

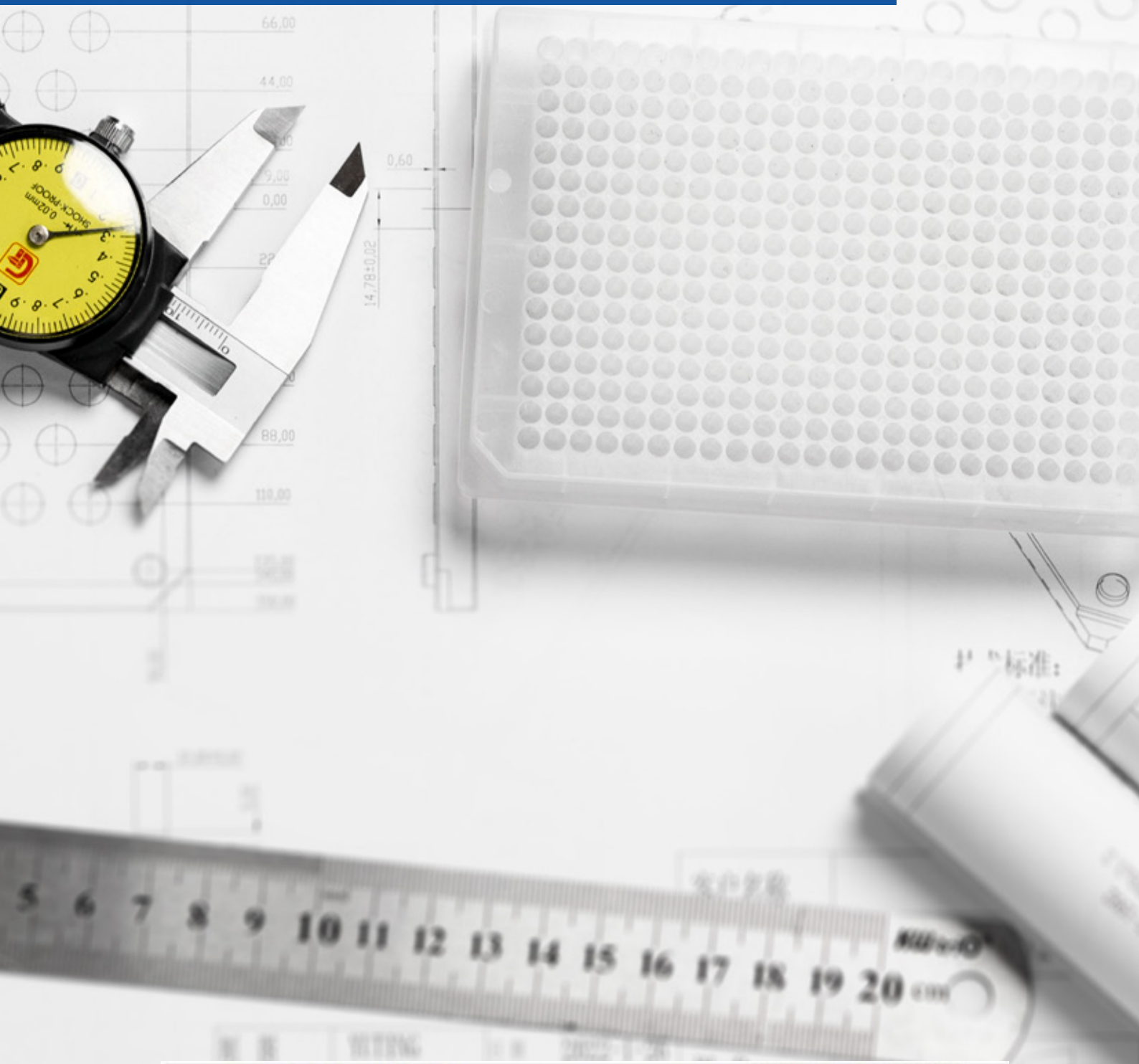
- Automatic dual range and dual precision function
- Custom dual intelligent internal calibration
- Seven levels of anti-vibration filter are adjustable
- Connect to other devices through USB/RS232 port



Ordering Information

Cat. #	Readability (mg)	Weighing Capacity (g)
HZY-35/104	0.01/0.1	30/100
HZ-124/105S	0.01/0.1	100/120
HZY-124	0.1/1	120/220
HZK-FA210S	0.1	210
HZY-223/323	1/2	220/320
HZK-JA210S	1	210
HZK-JA510	1	510
HZY-1202/2202	10/20	1200/2200

07 OEM & CUSTOMIZED SERVICE





Filters & Frits

Biocomma offers custom service for lab frits/filters, microfluidic filters, medical suction liner filters, medical self sealing little filters, air filtration filters, water purifier filters, etc.



Precision Injection

Biocomma opens molds for plastic column tubes and multi-well plates, such as solid phase extraction (SPE) cartridges, peptide synthesis columns, FPLC columns, other protein purification columns, and 96-well or 384-well plates for high-throughput applications. At the same time, based on our porous plastic technology platform, we provide customized frits to meet your flexible customization needs.



Biological Buffers

Biocomma has specially launched the bottled and powder biological buffers customization service including medical grade buffers, cell culture buffers, sample storage buffers, washing buffers, electrophoresis buffers, antigen retrieval buffers according to the scope of application Liquid and other basic buffers. All products are manufactured in the GMP workshop and can be customized according to your flexible and diverse experimental needs.

biocomma®

Embed™

DVfree®

CommaXP®

4Tip™

H₂OStop®

Copure®

CommaClena®

SpinFlow®

Biocomma Limited
