



Ningbo Excellent New Material Co., Ltd



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HAMAG

PRODUCT CATALOG

Humble Analysis Materials Always Good

Ningbo Excellent New Material Co., Ltd.



Certificates



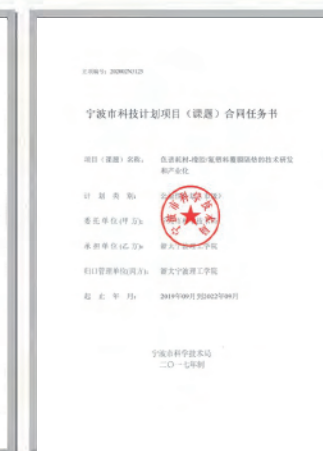
About us

Ningbo Excellent New Materials Co Ltd. (Brand "HAMAG"), founded in 2005, head-quartered in Ningbo city, a seaport city with high-tech manufacturing groups. Hamag group started from high quality HPLC sample vials. It is now specializing in R&D, production, sales and system integration of chromatographic consumables, with more than 7000 sqm factory area, 87 employees, 100,000 class clean room and advanced automatic equipments, so as to serve scientific requirements of high precision and high cleanliness of products. We have ISO9001:2015 certificated.

After 19 years of dedication and luckies, through cooperation with many scientific research departments and universities at home and abroad, HAMAG products are greatly welcomed by 83 countries, including Europe, USA.

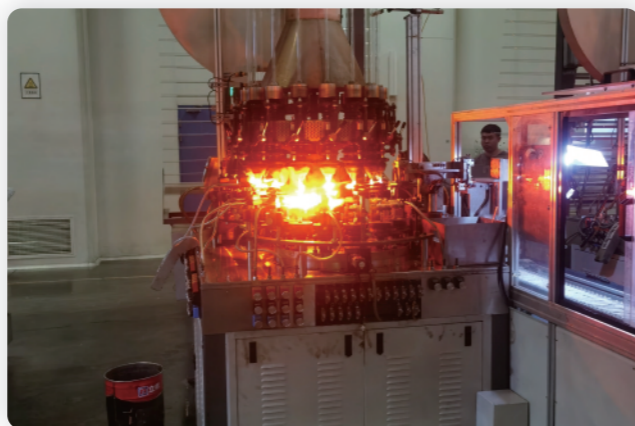
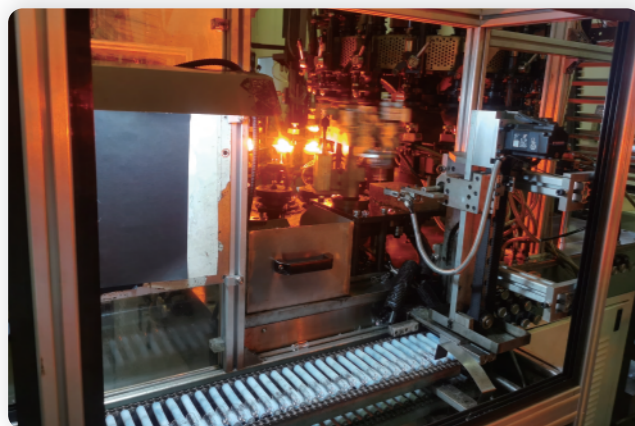
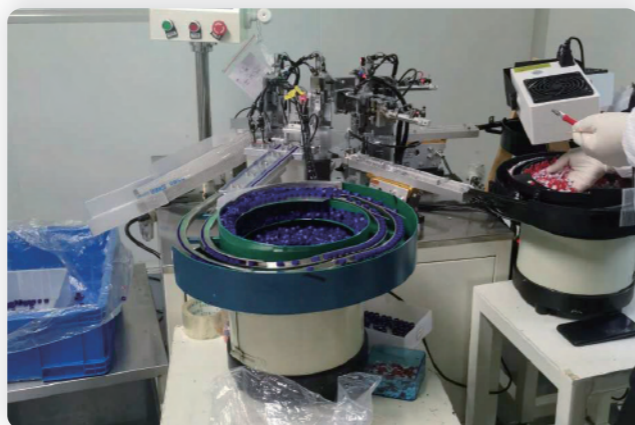
"Quality, Efficiency and Service" is our cluture.

We sincerely welcome friends to work together in the development of laboratory chromatographic consumables industry.



Workshop

Partners



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Vial Selection Guide

Suitability for the autosampler

Please refer to the "Vial and Autosampler Compatibility" or consult with us for advise.

Vial compatibility

When selecting a vial, the compatibility between the analyte and the solvent needs to be considered. Common sample characteristics and corresponding vial usage schemes are as follows:

- Light sensitive samples: Brown glass vial;
- Highly polar samples (which are easily absorbed by glass): deactivated vials;
- Small quantities sample: inserts or high-recovery vials;
- Ion analysis: polypropylene vials.

Vial material selection

Linear expansion coefficient refers to the changes of glass length with every time the temperature changed by one degree. In short, The lower the COE is, the greater the temperature change that the glass can withstand. The USP(United States Pharmacopoeia) classified its type based on its water resistance.

- USP I, Class A 3.3 and 5.0 borosilicate glass are the most insert glass and is widely used in labs, especially for some high requirements methods. They have lower dissolution rate with COE 33 and 50.
- USP I, Class B 7.0 Borosilicate glass has a little more alkali metals than Class A glass. It is quite popular with competitive cost and good performance. The COE is 70. Siliconized, or deactivated glass is a deactivated borosilicate glass that has undergone organosilicization of the glass surface.

The glass surface is highly hydrophobic and inert, and is suitable for pH-sensitive compound trace analysis and long-term sample storage. USP Types II, III, and NP soda lime glass, less chemically resistant than borosilicate glass. Polypropylene (PP) is a hard material that can be processed in many colors and has good chemical resistance, suitable for short-term storage of chemicals, and is the best choice for biological samples and samples with high metal content, such as ion chromatography, AA or ICP.

Which vial is best for my sample volume?

The following factors should be taken into account, analysis type, analysis platform and sample volume. Hamag vials provide highly consistent performance in a variety of specifications from 500µl to up to 2000ml. The following table can work as a start to select proper specifications required based on sample volume.

<2mL	2mL	>2mL
Micro (15µl-800µl)	Glass vial (2mL)	Sample vial for 4ml
High recovery (30µl-50ml)		Headspace vial (10ml-20ml)
Glass Insert (00µl-400µl)	PP vial (2ml)	40ml glass vial (EPA)
Well plates (150µl-1.2ml)		Storage (3ml-60ml)
PP insert (250µl)		Sampling vial (100ml-500ml)
Microcentrifuge tube (500µl)	Deactivated/silanized vials (2ml)	Wide opening bottle (60ml-500ml)
Vial fixed with insert (250µl-300µl)		Tube (3.5ml-60ml)

Cap with Septum Selection Guide

Septa selection

PTFE/Silicone Septa: It has the corrosion resistance of PTFE and the sealing performance of silicone. The high temperature resistance range is usually -40~-200°C. For normal-phase solvents with strong penetrability, such as n-hexane, methylene chloride, etc., it will cause swelling if the liquid level is too high.

PE Septa: The most economical, suitable for storing non-corrosive samples, but it is not recommended for long-term storage of liquids, it is recommended to store at room temperature.

Cap selection

Thread: Typically suitable for LC and LC/MS applications, provides a low evaporation, reusable, no tool needed. Screw top vial caps are available in both caps designed for automated sampling and solid top caps designed for storage.

Crimp: Best suited for GC and GC/MS applications and volatile compounds. It provides the best seal for long-term storage when properly crimped.

Snap: The sealing performance is not as good as the above.

Plug: It is sealed with a PE stopper, and the sealing and corrosion resistance are average, but it is economical and convenient. only available with certain autosamplers

Cap pre-bonded with septa: it has good chemical inertness. Even if it is in contact with concentrated acid, alkali or strong oxidant at high temperature, it will not be affected.

At the same time, the elasticity of the silicone can ensure the sealing performance; It can also ensure that the septum will not be separated from the cover during transportation. Keeps the septum from poking into the vial, even with thick and blunt syringes.



Septum Selection Guide

Septa and sample compatibility

Make sure the chosen septum is chemically compatible with the sample. The chemical compatibility of septa may vary with the influence of some factors like solvent concentration, molecular weight, temperature, etc.

During the manufacturing process, the Hamag septum undergoes a unique heat treatment and chemical treatment process to limit the loss of siloxane in the material, but when the septum undergoes puncture injection, heating, interaction of multiple solvents or a combination of three factors, it may still lead to leaching or loss of siloxane in the septum.

Septa chemical compatibility

	PTFE	PTFE/Silicone	PTFE/Silicone/PTFE	PTFE/Red rubber	Fluororubber	PTFE/Butyl rubber
Acetonitrile	✓	✓	✓	✓		✓
Hydrocarbons (Hexane, Heptane, Methane)	✓		✓	✓	✓	
Methanol	✓	✓	✓	✓		✓
benzene	✓		✓		✓	
THF	✓		✓			
Toluene	✓		✓			
DMF	✓	✓	✓			✓
DMSO	✓	✓	✓			✓
Ether	✓	✓	✓			
Chlorinated solvents (dichloromethane)	✓		✓		✓	
ethanol	✓	✓	✓	✓	✓	✓
Acetic acid	✓	✓	✓			✓
acetone	✓	✓	✓			
phenol	✓	✓	✓		✓	✓
Cyclohexane	✓		✓	✓	✓	

* For highly sensitive samples we recommend PTFE/Silicone/PTFE septa

Cap and septa compatibility

	High Performance Septa	Thin PTFE	PTFE/Silicone	PTFE/Silicone PTFE	PTFE Red rubber	Fluororubber	Butyl
Temperature range	-40°C-260°C	UP to 260°C	-40°C-200°C	-40°C-200°C	-40°C-90°C	-40°C-260°C	-50°C-150°C
Use for multiple injections	No	No	No	No	No	No	No
Cost	Most expensive	Very economical	Economical	Most expensive	Very economical	Economical	Economical
Resistance to coring	Excellent	None	Excellent	Excellent	None	None	None
Recommended for storage	No	No	Yes	Yes	No	No	No
Best for	High temperature headspace applications	Superior chemical inertness short cycle times, and single injections	Most common HPLC and GC analyses, not as resistant to coring as P/S/P	Superior performance for ultra trace analyses, repeat injections, internal standards	Chlorosilanes, more economical option for single injections	Chlorinated solvents, higher temperatures	Organic solvents acetic acids, impermeable to gasses



Auto-sampler Vial

- Materials: Borosilicate glass, PP;
- Colors: Clear, amber;
- Suitable for: HPLC, GC;
- Application area: Food/consumer goods/pharmaceutical/environmental/medical/chemical/materials/packaging/etc.

1ml glass vial

Part No	Product description	Image
HM-8240	1ml clear shell vial φ8.2*40	
HM-8242A	1ml amber shell vial φ8.2*40mm	
HM-8241	PE plug	

2ml glass vial

Part No	Product description	Image
HM-4426	2ml clear screw vial φ8mm/Boro 7.0	
HM-4427	2ml clear screw vial with write-on spot and scale φ8mm/Boro 7.0	
HM-4429	2ml Amber Screw vial φ8mm/Boro 5.1	
HM-4431	2mL Amber Screw vialwith write-on spot and scale φ8mm/Boro 5.1	
HM-0712	2ml clear screw vial φ9mm/Boro 7.0	
HM-0713	2ml clear screw ial with write-on spot and scale φ9mm/Boro 7.0	
HM-0717	2ml amber screw vial φ9mm/Boro 5.1	
HM-0716	2ml amber screw vial with write-on spot and scale φ9mm/Boro 5.1	

Glass micro vial/PP vial

Part No	Product description	Image
HM-0718	Clear screw glass vial fixed with 300ul insert φ9mm	
HM-0718AE	Amber screw glass vial fixed with 300ul insert φ9mm	
HM-0745	Clear screw PP vial fixed with 300ul insert φ9mm	
HM-0746	2 ml clear screw PP vial with scale φ9mm	

High recovery Filter vial

Part No	Product description	Image
HM-31509	1.5ml clear glass high recovery vial φ11.6*32mm/9mm	
HM-31510	1.5ml amber glass high recovery vial φ11.6*32mm/9mm	
HM-KM1020-NY	Filter Vial Nylon 0.22um Red snap cap Red PTFE White Silicpne	
HM-KM1020-PES	Filter vial PES 0.22um Black snap cap Red PTFE White Silicone	

Crimp/Snap glass vial

Part No	Product description	Image
HM-0543	2ml clear crimp vial with write-on spot and scale φ11mm/Boro 7.0	
HM-3376	2ml amber crimp vial with write-on spot and scale φ11mm/Boro 5.1	
HM-0546	2ml clear snap via with write-on spot and scale φ11mm/Boro 7.0	
HM-0545	2ml amber snap vial with write-on spot and scale φ11mm/Boro 5.1	

Packaging	PP	Blue PVC	Blue acrylic	Clear acrylic rectangular	Blue acrylic Vial with cap	Clear PVC Vial and cap
Image						

Caps and septa

- Materials of the caps: PP, metal;
- Materials of the septa: Mainly PTFE/silicone, PTFE/silicone/PTFE;
- Options for septa: Solid top, pre-slited, Y-slited, cross-slited;
- Suitable for HPLC, GC;
- Application area: Food, consumer goods, pharmaceutical, environmental, medical, chemical, materials, packaging and more.

8mm Cap and septa

Part No	Product description	Image
HM-4438	Black open top PP cap φ8mm	
HM-4439	Black solid top PP cap φ8mm	
HM-4446	White PTFE/red silicone septa φ8.3*1.5mm	
HM-4441	Pre-slited white PTFE/red silicone septa φ8.3*1.5mm	
HM-4447	Black open top PP cap with white PTFE/red silicone septa φ8mm	
HM-4450	Black solid top PP cap with white PTFE/red silicone septa φ8mm	

9mm cap and septa

Part No	Product description	Image
HM-0731	White PTFE/red silicone septa φ9mm	
HM-0732	Pre-slited white PTFE/red silicone septa φ9mm	
HM-0736	Cross-slited white PTFE/red silicone septa φ9mm	
HM-0734	Blue PTFE/white silicone septa φ9mm	
HM-2074	Pre-slited blue PTFE/white silicone septa φ9mm	
HM-0731Y	Y-slited white PTFE/red silicone septa φ9mm	
HM-0722	Blue screw open top PP cap with white PTFE/red silicone septa φ9mm	
HM-0720	Blue screw open top PP cap with pre-slited red PTFE/white silicone septa φ9mm	
HM-2076	Blue screw open top PP cap with pre-slited white PTFE/red silicone septa φ9mm	
HM-0727	Blue screw open top PP cap with blue PTFE/white silicone septa φ9mm	

Part No	Product description	Image
HM-0724	Blue screw open top PP cap with pre-slited blue PTFE/white silicone septa φ9mm	
HM-0722G	Blue screw open top PP cap with cross-slited blue PTFE/white silicone septa φ9mm	
HM-0722Z	Blue screw open top PP cap bonded with white PTFE/red silicone septa φ9mm	
HM-2076Z	Blue screw open top PP cap bonded with pre-slited white PTFE/Red silicone septa φ9mm	
HM-0725	Blue screw solid top PP cap with white PTFE/red silicone septa φ9mm	
HM-0726B	Black screw solid top PP cap with red PTFE/white silicone septa φ9mm	
HM-0720B	Blue screw open top PP cap bonded with red PTFE/white PTFE/red silicone septa φ9mm	
HM-0728P	Blue screw open top PP cap φ9mm	

11mm Cap and septa

Part No	Product description	Image
HM-0550	Transparent open top PP cap with white PTFE/red silicone septa φ11mm	
HM-0558	Transparent open top PP cap with pre-slited white PTFE/red silicone septa φ11mm	
HM-1210	Sliver open top aluminum cap With White PTFE/Red silicone Septa φ11mm	
HM-1211R	Sliver open top aluminum cap with transparent PTFE/red butyl rubber septa φ11mm	
HM-1209	Sliver open top aluminum cap φ11mm	
HM-1204	Transparent PTFE/red butyl rubber septa φ11mm	

Insert

- An alternative to economical limited-volume vials;
- Can keep upright sample injection direction;
- Polypropylene feet provide shock absorption;
- Not only fully recover the sample, but also protect the needle from being damaged.

Glass insert

Part No	Product description	Image
HM-2090	250ul glass flat insert φ5*31mm	
HM-2089	200ul glass conical insert φ5*31mm	
HM-2088	150ul glass conical insert with PP feet φ5*29mm	

Part No	Product description	Image
HM-3377	300ul glass flat insert 6*31mm	
HM-2085	250ul glass conical insert 6*31mm	
HM-0559	250ul PP round bottom insert 6*31mm	
HM-1270	250ul glass conical insert with PP feet 6*29mm	
HM-0549	200ul PP conical insert with PP feet 6*29mm	

Vial rack

- Innovative blue bottle rack with central storage compartment that can be stacked vertically or parallel

Part No	Product description	Image
HM-0510	Blue vial rack 5*10 holes	
HM-0512E	Blue vial rack with storage 5*10 holes	
HM-1010E	Blue rack box 10*10 holes	

18mm screw headspace vial

- Options: Clear, amber;
- Screw aluminum cap can be tightened directly, and the magnetic top makes automatic operation feasible
- PTFE/silicone septa are thinner ensuring air tightness while facilitating needle penetration;
- Suitable for: CTC Combi PAL, TriPlus, AOC5000, 885 Karst furnace sample processors.

screw HS vial cap with septa

Part No	Product description	Image
HM-1046G	10ml clear glass HS vial round bottom $\phi 22.5 \times 46\text{mm}$	
HM-1046GA	10ml amber glass HS vial round bottom $\phi 22.5 \times 46\text{mm}$	
HM-2075G	20ml clear glass HS vial round bottom $\phi 22.5 \times 75\text{mm}$	
HM-2075GA	20ml amber glass HS vial round bottom $\phi 22.5 \times 75\text{mm}$	
HM-2759	Silver magnetic HS cap blue PTFE/white silicone septa	
HM-2759B	Silver magnetic HS cap red PTFE/white silicone septa	

Part No	Product description	Image
HM-2758	Silver magnetic HS cap	
HM-2757	Blue PTFE/white silicone septa $\phi 17.5 \times 1.5\text{mm}$	
HM-2757U	Blue PTFE/white silicone septa $\phi 17.5 \times 2.5\text{mm}$	
HM-2757B	Blue PTFE/white silicone septa $\phi 17.5 \times 1.5\text{mm}$	

20mm crimp headspace vial

- Colors: Clear, amber Bottoms: Round, flat; Outer bevel, uniform wall, and precision molding, excellent thermal shock resistance;
 - Options for cap: Non-magnetic, magnetic;
 - Variety of colors are available for septa;
 - High-performance septa withstand extreme high-temperature conditions for HS applications.
- screw HS vial cap with septa

Part No	Product description	Image
HM-0538	5ml clear glass HS vial $\phi 22.5 \times 38\text{mm}$	
HM-0538A	5ml amber glass HS vial $\phi 22.2 \times 38\text{mm}$	
HM-0638	6ml clear glass vial $\phi 22 \times 39.5\text{mm}$	
HM-0838C	10ml clear glass HS vial $\phi 22.5 \times 46\text{mm}$ long neck	
HM-0838	10ml clear glass HS vial $\phi 22.5 \times 46\text{mm}$ short neck	
HM-0838A	10ml amber glass HS vial $\phi 22.5 \times 46\text{mm}$	
HM-0837 HM-0840	20ml clear HS vial flat bottom	
HM-0837Y	20ml clear HS vial with write-on spot and scale flat bottom	
HM-0837A	20ml amber HS vial flat bottom	
HM-0837B	20ml clear HS vial round bottom	
HM-25DKP	25ml clear glass HS vial	
HM-0850	50ml clear glass HS vial with write-on spot and scale	
HM-100DKP	100ml clear glass HS vial	
HM-A100DKP	100ml amber glass HS vial	

Crimp HS cap with speta

Part No	Product description	Image
HM-4481	Sliver aluminum cap with beige PTFE/white silicone septa	
HM-4477	Sliver aluminum cap with white PTFE/blue silicone septa	
HM-4480	Sliver aluminum cap with beige PTFE/silicone septa	
HM-0801	Sliver aluminum cap with white PTFE/silicone septa	
HM-4481EH	Sliver aluminum safe cap with beige PTFE/white silicone septa	
HM-4484GT	Magnetic blue cap with transparent PTFE/light blue silicone septa	
HM-4484	Magnetic cap with beige PTFE/white silicone septa	
HM-4484R	Magnetic red cap with transparent PTFE/light blue silicone septa	

20mm Septa

Part No	Product description	Image
HM-0719Y	Cream star septa	
HM-4476	Grey butyl stopper	
HM-4482	Butyl rubber/PTFE septa With Groove	
HM-4483	Butyl rubber/PTFE septa	

Manual crimping tool

- 11mm and 20mm new manual caper and decapper is ergonomic, durable and light in weight;
- Handles are made of durable fiber-reinforced resin reinforced with steel structure;
- The 11mm capper can press at least 100,000 caps, and the 20mm capper is 80,000 caps before there will be wear and tear that affects usability.

11mm+20mm Crimp tool

Part No	Product description	Image
HM-0979	Capper 11mm	
HM-1213	Decapper 11mm	
HM-1216	Capper 20mm	
HM-1214	Decapper 20mm	

11mm+20mm Crimp tool for flip off cap

Part No	Product description	Image
HM-1216B-2	Capper 13mm for flip off cap	
HM-1216A-2	Capper 20mm for flip off cap	
Packaging		

Storage bottle

- The vials are available in several sizes;
- Colors for bottle: Clear, amber;
- Colors for the cap: Mainly black and white;
- Options for the septa: PTFE/Silicone, PE;
- PTFE/silicone septa with excellent sealing and chemical resistance.

Screw micro storage vial

Part No	Product description	Image
HM-0505DD	0.6ml screw amber vial for micro storage φ15*35mm	
HM-0505K	0.5ml screw amber vial for micro storage empty bottom φ16*52mm	
HM-4465	Black screw solid top PP cap nature PTFE silicone septa	
HM-4465H	Red screw solid top PP cap nature PTFE silicone septa	

Crimp micro storage vial

Part No	Product description	Image
HM-0535	0.5ml amber crimp glass vial for micro storage φ13mm	
HM-0535A	0.3ml amber crimp glass vial for micro storage φ13mm	
HM-1200	Gray butyl rubber stopper	
HM-1223	Blue flip off cap φ13mm	
HM-1635	3ml clear glass crimp vial φ13mm	
HM-1635A	3ml clear glass crimp vial φ13mm	

3ml screw glass vial

Part No	Product description	Image
HM-0335	3ml amber glass vial ϕ 16*35mm	
HM-4465	Black solid top PP cap nature PTFE/silicone septa	
HM-GL14D	3ml clear screw vial ϕ 17.6*35mm	
HM-GL14B	White screw cap gray PTFE septa 1.5mm	
HM-GL14E	Black screw cap gray PTFE septa 1.5mm	

screw glass vial

Part No	Product description	Image
HM-4455	4ml clear glass vial ϕ 14.7*45mm	
HM-4455A	4ml clear glass vial ϕ 14.7*45mm with write-on spot and scale	
HM-4452	4ml amber glass vial ϕ 14.7*45mm	
HM-4452A	4ml amber glass vial ϕ 14.7*45mm with write-on spot and scale	
HM-1756	6ml clear glass vial ϕ 17*56mm	
HM-1756A	6ml amber glass vial ϕ 17*56mm	
HM-860	8ml clear glass vial ϕ 17*60mm	
HM-860A	8ml amber glass vial ϕ 17*60mm	
HM-1956	10ml clear glass vial ϕ 18.4*56mm	
HM-1956A	10ml amber glass vial ϕ 18.4*56mm	
HM-1266	12ml clear glass vial ϕ 18.4*66mm	
HM-1266A	12ml amber glass vial ϕ 18.4*66mm	
HM-1656	16ml clear glass vial ϕ 22.5*56mm	
HM-1656A	16ml amber glass vial ϕ 22.5*56mm	
HM-2086	20ml clear glass vial ϕ 22.5*75mm	
HM-2086A	20ml amber glass vial ϕ 22.5*75mm	
HM-2086G	20ml clear glass vial ϕ 22.5*86mm	
HM-2086AG	20ml amber glass vial ϕ 22.5*86mm	

Part No	Product description	Image
HM-2057	20ml clear glass vial ϕ 27.5*57mm	
HM-2057A	20ml amber glass vial ϕ 27.5*57mm	
HM-3072	30ml clear glass vial ϕ 27.5*72mm	
HM-3072A	30ml amber glass vial ϕ 27.5*72mm	
HM-4095	40ml clear glass vial ϕ 27.5*95mm	
HM-4095A	40ml amber glass vial ϕ 27.5*95mm	
HM-50120	50ml clear glass vial ϕ 27.5*122mm	
HM-50120A	50ml amber glass vial ϕ 27.5*122mm	
HM-60140	60ml clear glass vial ϕ 30*125mm	
HM-60140A	60ml amber glass vial ϕ 30*125mm	
HM-60140G	60ml clear glass vial ϕ 27.5*140mm	
HM-60140GA	60ml amber glass vial ϕ 30*125mm	

cap and septa

Part No	Product description	Image
HM-0020	Black solid top PP Cap PTFE/silicone septa	
HM-0020A	White solid top PP Cap PTFE/silicone septa	
HM-0020B	Black solid top PP Cap PE septa	
HM-0020F	Black open top PP Cap PTFE/silicone septa	
HM-0012A	Black solid top PP cap PTFE/silicone septa	
HM-0012B	Black solid top PP cap PE septa	
HM-0012C	Black open top PP cap PTFE/silicone septa	
HM-0012A-2	Black solid top PP cap PTFE/PE septa	
HM-4463	Black open top PP cap nature PTFE/silicone septa	
HM-0022A	Black solid top PP cap with PTFE/silicone septa	
HM-0022B	Black solid top PP cap with PE septa	
HM-0028	White solid top PP cap with PTFE/silicone septa	

Part No	Product description	Image
HM-0029	Black open top PP cap with PTFE/silicone septa	
HM-0022EA	White open top PP cap with PTFE/silicone septa	
HM-0022EAZ1	Black open top PP cap bonded with PTFE/silicone septa	

Vial rack

■ Portable assembled bottle holder for easy storage and identification.

Part No	Product description	Image
HM-307E1	White vial rack φ20mm 4*10 holes	
HM-307E2	White vial rack φ25mm 3*8 holes	
HM-307E3	White vial rack φ31mm 3*7 holes	

Wide opening bottle

Part No	Product description	Image
HM-3764	37ml clear screw vial with cap and septum	
HM-GKPT-30	30ml clear screw vial with cap and septum	
HM-GKPT-50	50ml clear screw vial with cap and septum	
HM-GKPT-60	60ml clear screw vial with cap and septum	
HM-GKPT-100	100ml clear screw vial with cap and septum	
HM-GKPT-120	120ml clear screw vial with cap and septum	
HM-GKPT-250	250ml clear screw vial with cap and septum	
HM-GKPT-500	500ml clear screw vial with cap and septum	
HM-GKPZ-40	40ml amber screw vial with cap and septum	
HM-GKPZ-60	60ml amber screw vial with cap and septum	
HM-GKPZ-100	100ml amber screw vial with cap and septum	
HM-GKPZ-120	120ml amber screw vial with cap and septum	
HM-GKPZ-250	250ml amber screw vial with cap and septum	
HM-GKPZ-500	500ml amber screw vial with cap and septum	

Straight bottle Narrow mouth bottle

Part No	Product description	Image
HM-ZTPZ-250-PTFE	250ml amber screw vial with cap and septum	
HM-ZTPT-250-PTFE	250ml clear screw vial with cap and septum	
HM-500mlxkz-ptfe0	500ml amber screw vial with cap and septum	
HM-1LXKZ-PTFE	1000ml amber screw vial with cap and septum	

Mobile phase solvent bottle

- Consistent glass composition, uniform wall thickness standards, precise dimensions and strict tolerances;
- Resistant to strong acid and alkali, high temperature and low temperature refrigeration, excellent sealing;
- Suitable for liquid chromatography, used as a mobile phase solvent bottle;
- GL45 standard threaded port, a variety of caps are optional It is recommended to use mobile phase safety bottle caps, which can effectively reduce dust falling and mobile phase volatilization.

Mobile phase solvent bottle

Part No	Product description	Image	
HM-10045	100ml clear mobile phase solvent bottle		
HM-25045	250ml clear mobile phase solvent bottle		
HM-50045	500ml clear mobile phase solvent bottle		
HM-100045	1000ml clear mobile phase solvent bottle		
HM-200045	2000ml clear mobile phase solvent bottle		
HM-100069	1000ml clear solvent bottle wide opening		
HM-A10045	100ml amber mobile phase solvent bottle		
HM-A25045	250ml amber mobile phase solvent bottle		
HM-A50045	500ml amber mobile phase solvent bottle		
HM-A1000451	1000ml amber mobile phase solvent bottle		
HM-A200045	2000ml amber mobile phase solvent bottle		

GL45 caps

Part No	Product description	Image
HM-00G45A1QL	GL45 cap with 1 port light blue	
HM-00G45A2QL	GL45 cap with 2 ports light blue	
HM-00G45A3QL	GL45 cap with 3 ports light blue	
HM-00G45A4QL	GL45 cap with 4 ports light blue	
HM-00G45A5QL	GL45 cap with 5 ports light blue	
HM-00G45C+ HM-00G45C1	GL45 cap with 3 ports gray	
HM-00G45	GL45 solid top cap	
HM-00G45B	Beige PTFE and beige silicone septa	

Safety cap and waste cap

- Possible problems in the laboratory: Solvent volatilization, strong odor, and potential respiratory health hazards; dust falling into the bottle contaminates the mobile phase solvent;
- The solvent is easy to deteriorate; the mobile phase solvent volatilizes, and the concentration decreases, which affects the experimental results; the pipeline is messy and easy to entangle; Some laboratories do not cover the lid, the pipeline is not fixed, shaking and other conditions may easily cause the solvent inlet to be higher than the solvent liquid level, causing air to enter the equipment.

Part No	Product description	Image
HM-MPGL45Y1-1P	1 port	
HM-MPGL45Y2-1P	2 ports	
LDXG-G45-100	check valve	
BJJT-0001 BJJT-0002	Solvent Thread Adapter	
HM-1000454-1	1000ml 4-opening solvent bottle	
HM-WLGL45Y3-1P1	GL45 1 thick tube and 2 thin tubes can be connected	
HM-FYT010	GL45 10L waste collection tank 230*230*305mm	
HM-WLS60Y3-1P1	S60 1 thick tube and 2 thin tubes can be connected	
HM-FYT020	S60 20L waste collection tank 255*270*395mm	
HM-GLQ-65-001	Waste filter	

Tube

- Made of borosilicate glass, it can be used for analysis at temperatures above 120°C;
- Resistant to various chemical solvents, strong sealing, avoiding solvent volatilization and leakage;
- Can be applied to various brands of digesters, such as American hash HACH, etc.;

Tube

Part No	Product description	Image
HM-SG16100	10ml screw glass tube with round bottom	
HM-SG16125	16ml screw glass tube with round bottom	
HM-SG16100B	10ml screw glass tube with flat bottom	

Cap with septa for tube

Part No	Product description	Image
HM-SG15137B	White PP cap with beige PTFE/beige silicone septa	
HM-SG15137C	White PC cap with beige PTFE/beige silicone septa	
HM-SG15137T	Transparent PC cap with beige PTFE beige silicone septa	
HM-SG15137	White PF cap with beige PTFE/beige silicone septa	

Glass test tube flat mouth round bottom

Part No	Volumn	Sizes	Image
ZP-B640105	3ml	φ12*48mm	
ZP-B640106	5ml	φ16*48mm	
ZP-B640103	26ml	φ30*48mm	
ZP-B640104	8ml	φ12*100mm	
ZP-B640108	13ml	φ16*100mm	
ZP-B640101	35ml	φ25*100mm	
ZP-B640102	58ml	φ30*100mm	
ZP-B640107	11ml	φ12*150mm	
ZP-B640109	21ml	φ16*150mm	
ZP-B640110	55ml	φ25*150mm	
ZP-B640111	78ml	φ30*150mm	

Ion chromatography eluent bottle

- Made of excellent materials, resistant to strong acid and alkali;
- Designed to withstand a pressure of 0.2MPa;
- Equipped with a nitrogen pressure regulating valve, the maximum inlet pressure is 300psi, the maximum outlet pressure is 30psi (the actual use pressure is 5-10psi).

Ion chromatography eluent bottle+sampling bottle

Part No	Product description	Image
HM-200045LZ	2000ml white bottle including 3 ports cap and tube	
HM-0346	8ml clear screw glass vial 18.4*46mm	
HM-0018K	Black open top cap with cross-slited PTFE silicone septum	

5ml plastic sampling vial (Suitable for AS-DV auto-sampler)

Part No	Product description	Packaging	Image
ZP-B650104	5ml plastic sampling vial+20ul filter cap	200 suits/PK	
ZP-B650108	20ul filter cap	200 PCS/PK	
ZP-B650101	5ml plastic sampling vial	200 PCS/PK	

SPE Manifolds and Columns

- Options: 12,19, 24 ports;
- The top cover is made of PTFE, resistant to strong acid and alkali;
- Polypropylene quark valve, easy to adjust;
- PTFE channel, resistant to strong acid and alkali, easy to clean.

SPE

Part No	Product description	Image
HM-SPE12	12 ports	
HM-SPE19	19 ports	
HM-SPE24	24 ports	

Accessories

Part No	Product description	Image
HM-0P01	Pump	
	Valve	
	PTFE adaptor	

Solid Phase Extraction Column

Part No	Product description	Packaging	Image
ZP-B121101	C18 SPE column 100mg 1ml,capped	100 pcs/box	
ZP-B121102	C18 SPE column,200mg 3ml,capped	50 pcs/box	
ZP-B121103	C18 SPE column,500mg 3ml,capped	50 pcs/box	
ZP-B121104	C18 SPE column,500mg 6ml,capped	30 pcs/box	
ZP-B121105	C18 SPE column,1000mg 6ml,capped	30 pcs/box	
ZP-B121106	C18 SPE column,1000mg 12ml,capped	20 pcs/box	
ZP-B121107	C18 SPE column,2000mg 12ml,capped	20 pcs/box	
ZP-B123101	PSA SPE column, 100mg 1ml	100 pcs/box	
ZP-B123102	PSA SPE column, 200mg 3ml	50 pcs/box	
ZP-B123103	PSA SPE column, 250mg 3ml	50 pcs/box	
ZP-B123104	PSA SPE column, 500mg 3ml	50 PCS/PK	
ZP-B123105	PSA SPE column, 500mg 6ml	50 PCS/PK	
ZP-B123106	PSA SPE column, 1000mg 6ml	30 pcs/box	
ZP-B123107	PSA SPE column, 1000mg 12ml	20 pcs/box	
ZP-B123108	PSA SPE column, 2000mg 12ml	20 pcs/box	
ZP-B124101	PRS SPE column, 100mg	100/box	
ZP-B124102	PRS SPE column, 200mg	50/box	
ZP-B124103	PRS SPE column, 250mg	50/box	
ZP-B124104	PRS SPE column, 500mg	50/box	
ZP-B124105	PRS SPE column, 250mg	30/box	
ZP-B124106	PRS SPE column, 500mg	30/box	
ZP-B124107	PRS SPE column, 1000mg	30/box	
ZP-B124108	PRS SPE column, 1000mg	20/box	
ZP-B124109	PRS SPE column, 2000mg	20/box	
ZP-B125101	NH2 SPE column, 100mg 1ml	100 pcs/box	
ZP-B125102	NH2 SPE column, 200mg 3ml	100 pcs/box	
ZP-B125103	NH2 SPE column, 500mg 3ml	50 pcs/box	
ZP-B125104	NH2 SPE column, 250mg 6ml	30 pcs/box	
ZP-B125105	NH2 SPE column, 500mg 6ml	30 pcs/box	
ZP-B125106	NH2 SPE column, 1000mg 6ml	30 pcs/box	
ZP-B125107	NH2 SPE column, 1000mg 12ml	20 pcs/box	
ZP-B125108	NH2 SPE column, 2000mg 12ml	20 pcs/box	
ZP-B126101	Silica SPE Column, 100mg 1ml	100 pcs/box	
ZP-B126102	Silica SPE Column, 200mg 3ml	50 pcs/box	
ZP-B126103	Silica SPE Column, 500mg 3ml	50 pcs/box	
ZP-B126104	Silica SPE Column, 500mg 6ml	30 pcs/box	
ZP-B126105	Silica SPE Column, 1000mg 6ml	30 pcs/box	

Part No	Product description	Packaging
ZP-B126106	Silica SPE Column, 1000mg 12ml	20 pcs/box
ZP-B126107	Silica SPE Column, 2000mg 12ml	20 pcs/box
ZP-B127101	CARB/NH2 SPE Column, 500mg 3ml	50 pcs/box
ZP-B127102	CARB/NH2 SPE Column, 500mg 6ml	30 pcs/box
ZP-B127103	CARB/NH2 SPE Column, 300mg 3ml	50 pcs/box
ZP-B127104	CARB/NH2 SPE column, 300mg 6ml	30 pcs/box
ZP-B128101	Diol SPE Column, 100mg 1ml	100 pcs/box
ZP-B128102	Diol SPE Column, 200mg 3ml	50 pcs/box
ZP-B128103	Diol SPE Column, 250mg 3ml	50 pcs/box
ZP-B128104	Diol SPE Column, 500mg 3ml	50 PCS/PK
ZP-B128105	Diol SPE Column, 250mg 6ml	30 pcs/box
ZP-B128106	Diol SPE Column, 500mg 6ml	30 pcs/box
ZP-B128107	Diol SPE Column, 1000mg 6ml	30 pcs/box
ZP-B128108	Diol SPE Column, 1000mg 12ml	20 pcs/box
ZP-B128109	Diol SPE Column, 2000mg 12ml	20 pcs/box
ZP-B129101	C8 SPE Column, 50mg 1ml	100 pcs/box
ZP-B129102	C8 SPE column, 100mg 1ml	100 pcs/box
ZP-B129103	C8 SPE column, 200mg 3ml	50 pcs/box
ZP-B129104	C8 SPE column, 500mg 3ml	50 pcs/box
ZP-B129105	C8 SPE column, 500mg 6ml	30 pcs/box
ZP-B129106	C8 SPE column, 1000mg 6ml	30 pcs/box
ZP-B129107	C8 SPE column, 1000mg 12ml	20 pcs/box
ZP-B129108	C8 SPE column, 2000mg 12ml	20 pcs/box
ZP-B1210101	SAX SPE column, 30mg 1ml	100 pcs/box
ZP-B1210102	SAX SPE column, 100mg 1ml	100 pcs/box
ZP-B1210103	SAX SPE column, 100mg 3ml	50 pcs/box
ZP-B1210104	SAX SPE column, 200mg 3ml	50 pcs/box
ZP-B1210105	SAX SPE column, 500mg 3ml	50 pcs/box
ZP-B1210106	SAX SPE column, 200mg 6ml	30 pcs/box
ZP-B1210107	SAX SPE column, 500mg 6ml	30 pcs/box
ZP-B1210108	SAX SPE column, 1000mg 6ml	30 pcs/box
ZP-B1210109	SAX SPE column, 1000mg 12ml	20 pcs/box
ZP-B1210110	SAX SPE column, 2000mg 12ml	20 pcs/box

Part No	Product description	Packaging
ZP-B1211101	CN SPE Column, 100mg 1ml	100 pcs/box
ZP-B1211102	CN SPE column, 200mg 3ml	50 pcs/box
ZP-B1211103	CN SPE column, 250mg 3ml	50 pcs/box
ZP-B1211104	CN SPE Column, 500mg 3ml	50 pcs/box
ZP-B1211105	CN SPE Column, 250mg 6ml	30 pcs/box
ZP-B1211106	CN SPE Column, 500mg 6ml	30 pcs/box
ZP-B1211107	CN SPE Column, 1000mg 6ml	30 pcs/box
ZP-B1211108	CN SPE Column, 1000mg 12ml	20 pcs/box
ZP-B1211109	CN SPE Column, 2000mg 12ml	20 pcs/box
ZP-B1212101	CARB/PSA SPE Column, 500mg 3ml	50 pcs/box
ZP-B1212102	CARB/PSA SPE Column, 500mg 6ml	30 pcs/box
ZP-B1212103	CARB/PSA SPE Column, 300mg 3ml	50 pcs/box
ZP-B1212104	CARB/PSA SPE Column, 300mg 6ml	30 pcs/box
ZP-B1213101	Tea special SPE column, 1000mg 6ml	30 pcs/box
ZP-B1213102	SPE Column for Tea, 1000mg 12ml	20 pcs/box
ZP-B1214101	SPE column for honey, 900mg 6ml	30 pcs/box
ZP-B1215101	SPE column for chloropropanol, 5000mg 20ml	20 pcs/box
ZP-B1216101	SPE Column for Sudan Red, 500mg 6ml	30 pcs/box
ZP-B1216102	SPE Column for Sudan Red, 1000mg 12ml	20 pcs/box
ZP-B1217101	Benzo(a)pyrene SPE column, 500mg 6ml	30 pcs/box
ZP-B1218101	Polyamide SPE Column, 500mg 3ml	50 pcs/box
ZP-B1218102	Polyamide SPE column, 500mg 6m	30 pcs/box
ZP-B1218103	Polyamide SPE column, 1000mg 6ml	30 pcs/box
ZP-B1218104	Polyamide SPE column, 2000mg 12ml	20 pcs/box
ZP-B1219101	SPE Column for Antioxidant Detection, 2000mg 12ml	20 pcs/box
ZP-B1220101	Florisil SPE Column, 100mg	100/box
ZP-B1220102	Florisil SPE Column, 200mg 3ml	50 pcs/box
ZP-B1220103	Florisil SPE Column, 500mg 3ml	50 pcs/box
ZP-B1220104	Florisil SPE Column, 500mg 6ml	30 pcs/box
ZP-B1220105	Florisil SPE Column, 1000mg 6ml	30 pcs/box
ZP-B1220106	Florisil SPE Column, 1000mg 12ml	20 pcs/box
ZP-B1220107	Florisil SPE Column, 2000mg 12ml	20 pcs/box
ZP-B1221101	AL-A SPE Column, 100mg 1ml	100 pcs/box

Part No	Product description	Packaging
ZP-B1221102	AL-A SPE Column, 200mg 3ml	50 PCS/PK
ZP-B1221103	AL-A SPE Column, 500mg 3ml	50 pcs/box
ZP-B1221104	AL-A SPE Column, 500mg 6ml	30 pcs/box
ZP-B1221105	AL-A SPE Column, 1000mg 6ml	30 pcs/box
ZP-B1221106	AL-A SPE Column, 1000mg 12ml	20 pcs/box
ZP-B1221107	AL-A SPE Column, 2000mg 12ml	20 pcs/box
ZP-B1222101	AL-B SPE Column, 100mg 1ml	100 pcs/box
ZP-B1222102	AL-B SPE Column, 200mg 3ml	50 pcs/box
ZP-B1222103	AL-B SPE Column, 500mg 3ml	50 pcs/box
ZP-B1222104	AL-B SPE Column, 500mg 6ml	30 pcs/box
ZP-B1222105	AL-B SPE Column, 1000mg 6ml	30 pcs/box
ZP-B1222106	AL-B SPE Column, 1000mg 12ml	20 pcs/box
ZP-B1222107	AL-B SPE Column, 2000mg 12ml	20 pcs/box
ZP-B1223101	AL-N SPE Column, 100mg 1ml	100 pcs/box
ZP-B1223102	AL-N SPE Column, 200mg 3ml	50 pcs/box
ZP-B1223103	AL-N SPE Column, 500mg 3ml	50 pcs/box
ZP-B1223104	AL-N SPE Column, 500mg 6ml	30 pcs/box
ZP-B1223105	AL-N SPE Column, 1000mg 6ml	30 pcs/box
ZP-B1223106	AL-N SPE Column, 1000mg 12ml	20 pcs/box
ZP-B1223107	AL-N SPE Column, 2000mg 12ml	20 pcs/box
ZP-B1224101	CARB SPE Column, 100mg 1ml	100 pcs/box
ZP-B1224102	CARB SPE Column, 200mg 3ml	50 pcs/box
ZP-B1224103	CARB SPE Column, 500mg 3ml	50 pcs/box
ZP-B1224104	CARB SPE Column, 500mg 6ml	30 pcs/box
ZP-B1224105	CARB SPE Column, 1000mg 6ml	30 pcs/box
ZP-B1224106	CARB SPE Column, 1000mg 12ml	20 pcs/box
ZP-B1224107	CARB SPE Column, 2000mg 12ml	20 pcs/box
ZP-B1225101	HLB SPE column, 30mg 1ml	100 pcs/box
ZP-B1225102	HLB SPE column, 60mg 1ml	100 pcs/box
ZP-B1225103	HLB SPE Column, 30mg 3ml	50 pcs/box
ZP-B1225104	HLB SPE Column, 60mg 3ml	50 pcs/box
ZP-B1225105	HLB SPE Column, 150mg 6ml	30 pcs/box
ZP-B1225106	HLB SPE Column, 200mg 6ml	30 pcs/box

Part No	Product description	Packaging
ZP-B1225107	HLB SPE Column, 500mg 6ml	30 pcs/box
ZP-B1225108	HLB SPE column, 500mg 12ml	20 pcs/box
ZP-B1226101	MCX SPE Column, 30mg 1ml	100 pcs/box
ZP-B1226102	MCX SPE Column, 60mg 1ml	100 pcs/box
ZP-B1226103	MCX SPE Column, 30mg 3ml	50 pcs/box
ZP-B1226104	MCX SPE Column, 60mg 3ml	50 pcs/box
ZP-B1226105	MCX SPE Column, 150mg 6ml	30 pcs/box
ZP-B1226106	MCX SPE Column, 200mg 6ml	30 pcs/box
ZP-B1226107	MCX SPE Column, 500mg 6ml	30 pcs/box
ZP-B1226108	MCX SPE Column, 500mg 12ml	20 pcs/box
ZP-B1226109	MCX SPE Column, 1000mg 12ml	20 pcs/box
ZP-B1227101	MAX SPE Column, 30mg 1ml	100 pcs/box
ZP-B1227102	MAX SPE column, 60mg 1ml	100 pcs/box
ZP-B1227103	MAX SPE column, 30mg 3ml	50 pcs/box
ZP-B1227104	MAX SPE column, 60mg 3ml	50 pcs/box
ZP-B1227105	MAX SPE Column, 150mg 6ml	30 pcs/box
ZP-B1227106	MAX SPE column, 200mg 6ml	30 pcs/box
ZP-B1227107	MAX SPE column, 500mg 6ml	30 pcs/box
ZP-B1227108	MAX SPE column, 500mg 12ml	20 pcs/box
ZP-B1227109	MAX SPE column, 1000mg 12ml	20 pcs/box
ZP-B1228101	WCX SPE column, 30mg 1ml	100 pcs/box
ZP-B1228102	WCX SPE column, 60mg 1ml	100 pcs/box
ZP-B1228103	WCX SPE column, 30mg 3ml	50 pcs/box
ZP-B1228104	WCX SPE column, 60mg 3ml	50 pcs/box
ZP-B1228105	WCX SPE Column, 150mg 6ml	30 pcs/box
ZP-B1228106	WCX SPE column, 200mg 6ml	30 pcs/box
ZP-B1228107	WCX SPE Column, 500mg 6ml	30 pcs/box
ZP-B1228108	WCX SPE Column, 500mg 12ml	20 pcs/box
ZP-B1228109	WCX SPE column, 1000mg 12ml	20 pcs/box
ZP-B1229101	WAX SPE Column, 30mg 1ml	100 pcs/box
ZP-B1229102	WAX SPE Column, 60mg 1ml	100 pcs/box
ZP-B1229103	WAX SPE Column, 30mg 3ml	50 pcs/box
ZP-B1229104	WAX SPE Column, 60mg 3ml	50 pcs/box

Part No	Product description	Packaging
ZP-B1229105	WAX SPE Column, 150mg 6ml	30 pcs/box
ZP-B1229106	WAX SPE Column, 200mg 6ml	30 pcs/box
ZP-B1229107	WAX SPE Column, 500mg 6ml	30 pcs/box
ZP-B1229108	WAX SPE Column, 500mg 12ml	20 pcs/box
ZP-B1229109	WAX SPE Column, 1000mg 12ml	20 pcs/box
ZP-B1230101	SCX SPE column, 100mg 1ml	100 pcs/box
ZP-B1230102	SCX SPE Column, 200mg 3ml	50 pcs/box
ZP-B1230103	SCX SPE column, 250mg 3ml	50 pcs/box
ZP-B1230104	SCX SPE Column, 500mg 3ml	50 pcs/box
ZP-B1230105	SCX SPE Column, 250mg 6ml	30 pcs/box
ZP-B1230106	SCX SPE Column, 500mg 6ml	30 pcs/box
ZP-B1230107	SCX SPE Column, 1000mg 6ml	30 pcs/box
ZP-B1230108	SCX SPE Column, 1000mg 12ml	20 pcs/box
ZP-B1230109	SCX SPE column, 2000mg 12ml	20 pcs/box
ZP-B1231101	Silica/PSA SPE Column, 500mg 3ml	50 pcs/box
ZP-B1231102	Silica/PSA SPE Column, 500mg 6ml	30 pcs/box
ZP-B1231103	Silica/PSA SPE Column, 300mg 3ml	50 pcs/box
ZP-B1231104	Silica/PSA SPE Columns, 300mg	30 pcs/box
ZP-B1232101	PBA SPE Column, 100mg 3ml	50 pcs/box
ZP-B1232102	PBA SPE column, 500mg 6ml	30 pcs/box

QuEChERS

- QuEChERS method has a high recovery rate, which is greater than 85% for a large number of polar and volatile pesticide species;
- High precision and accuracy, can be calibrated by internal standard method;
- A wide range of pesticides can be analyzed, including polar and non-polar pesticide species can use this technology to get a good recovery rate.

Extraction Products

Part No	Product description	Packaging	Image
HM-AOACT50	50 ml Tube (AOAC Method); 1.5g sodium acetate, 6g MgSO ₄	50 pcs/box	
HM-CENT50	50 ml Tube (CEN Method); 4 g MgSO ₄ , 1g NaCl, 1g trisodium citrate dehydrate, 0.5 g disodium hydrogen-citrate sesquihydrate	50 pcs/box	
HM-AOACQ	QuE Pouch (AOAC Method); 1.5g sodium acetate, 6g MgSO ₄	50 pcs/box	
HM-CENQ	QuE Pouch (CEN Method); 4g MgSO ₄ , 1g NaCl, 1g trisodium citrate dehydrate, 0.5g disodium hydrogencitrate sesquihydrate	50 pcs/box	

Clean-Up Tubes

Part No	Product description	Packaging	Image
HM-CT001	2ml Tube;150mg MgSO ₄ ,50mg PSA	100 pcs/PK	
HM-CT002	2ml Tube;150mgMgSO ₄ ,50mg PSA,25mg C18	100 pcs/PK	
HM-CT003	2ml Tube;150mg MgSO ₄ ,25mg PSA	100 pcs/PK	
HM-CT004	2ml Tube;150mg MgSO ₄ ,25mg PSA,25mg C18 I	100 pcs/PK	
HM-CT005	2ml Tube;150mg MgSO ₄ ,25mg PSA,25mg C18,7mg GCB	100 pcs/PK	
HM-CT006	2ml Tube;150mg MgSO ₄ ,50mg C18	100 pcs/PK	
HM-CT007	2ml Tube;150mg MgSO ₄ ,25mg PSA,2.5mg GCB	100 pcs/PK	
HM-CT008	15ml Tube;900mg MgSO ₄ ,150mg PSA	50 pcs/PK	
HM-CT009	15ml Tube;900mg MgSO ₄ ,150mg PSA,150mg C18	50 pcs/PK	
HM-CT010	15ml Tube;1200mg MgSO ₄ ,400mg PSA	50 pcs/PK	
HM-CT011	15ml Tube;1200mg MgSO ₄ ,400mg PSA,400mg C18	50 pcs/PK	
HM-CT012	15ml Tube;1200mg MgSO ₄ ,400mg PSA,400mg C18 400mg GCB	50 pcs/PK	
HM-CT013	15ml Tube;900mg MgSO ₄ ,300mg PSA	50 pcs/PK	
HM-CT014	15ml Tube;900mg MgSO ₄ ,300mg PSA,300mg C18	50 pcs/PK	
HM-CT015	15ml Tube;900mg MgSO ₄ ,450mg PSA,300mg C18 50mg GCB	50 pcs/PK	

Graphitized carbon filler

- It has high purification effect, high recovery rate and high reproducibility;
- widely used in the analysis of pesticide residues, and can be used to purify organic extracts of animals and plants and remove pigments in pretreatment of samples such as fruits and vegetables.

Graphitized carbon filler

Part No	Product description	Image
SC699640-100G	100g 120/400 mesh	
SC699640-100G-BN	100g 50/150 mesh	
SC699640-600G-BN	600g 50/150 mesh	

Disposable needle-free syringes

- Has good sealing to avoid leakage
- The scale line is formed by injection molding at one time, and there is no pollution to the product by ink;
- PE stopper: It can more effectively avoid chemical corrosion, and is more suitable for sample packaging and chemical reagent sampling;
- No stopper: To avoid possible precipitation of chemical substances in the rubber stopper and contamination of samples by oxidants that may remain during ethylene oxide sterilization;
- The sterilized version is individually packaged and sterilized by cyclohexane.

Part No	Product description	Image
ZP-B134101	1ml disposable syringe sterilized no needle 100 PCS/PK 60 PKS/CTN	
ZP-B134102	2ml disposable syringe sterilized no needle 100 PCS/PK 36 PKS/CTN	
ZP-B134103	3ml disposable syringe sterilized no needle 100 PCS/PK 36 PKS/CTN	
ZP-B134104	5ml disposable syringe sterilized no needle 100 PCS/PK 25 PKS/CTN	
ZP-B134105	10ml disposable syringe sterilized no needle 100 PCS/PK 18 PKS/CTN	
ZP-B134106	20ml disposable syringe sterilized no needle 100 PCS/PK 10 PKS/CTN	
ZP-B134107	1ml disposable syringe no needle 100 PCS/PK 50 PKS/CTN	
ZP-B134108	2ml disposable syringe no needle 100 PCS/PK 50 PKS/CTN	
ZP-B134109	3ml disposable syringe no needle 100 PCS/PK 50 PKS/CTN	
ZP-B134110	5ml disposable syringe no needle 100 PCS/PK 50 PKS/CTN	
ZP-B134111	10ml disposable syringe no needle 100 PCS/PK 50 PKS/CTN	
ZP-B134112	20ml disposable syringe no needle 100 PCS/PK 50 PKS/CTN	

Part No	Product description	Image
ZP-B134113	1ml disposable syringe sterilized no needle no plug 100 PCS/PK 60 PKS/CTN	
ZP-B134114	2ml disposable syringe sterilized no needle no plug 100 PCS/PK 36 PKS/CTN	
ZP-B134115	3ml disposable syringe sterilized no needle no plug 100 PCS/PK 36 PKS/CTN	
ZP-B134116	5ml disposable syringe sterilized no needle no plug 100 PCS/PK 25 PKS/CTN	
ZP-B134117	10ml disposable syringe sterilized no needle no plug 100 PCS/PK 18 PKS/CTN	
ZP-B134118	20ml disposable syringe sterilized no needle no plug 100 PCS/PK 10 PKS/CTN	
ZP-B134119	1ml disposable syringe no needle no plug 100 PCS/PK 50 PKS/CTN	
ZP-B134120	2ml disposable syringe no needle no plug 100 PCS/PK 50 PKS/CTN	
ZP-B134121	3ml disposable syringe no needle no plug 100 PCS/PK 50 PKS/CTN	
ZP-B134122	5ml disposable syringe no needle no plug 100 PCS/PK 50 PKS/CTN	
ZP-B134123	10ml disposable syringe no needle no plug 100 PCS/PK 50 PKS/CTN	
ZP-B134124	20ml disposable syringe no needle no plug 100 PCS/PK 50 PKS/CTN	

Syringe filter

- Widely used in drug analysis, food testing, environmental monitoring, protein removal and sterility testing;
- Syringe filters are available for HPLC analysis and sample preparation for IC;
- Stable membrane quality ensures the consistency of analysis results.



Description	13mm*0.22μm	13mm*0.45μm	25mm*0.22μm	25mm*0.45μm
Nylon	ZP-B132129	ZP-B132130	ZP-B132131	ZP-B132132
PES	ZP-B132149	ZP-B132150	ZP-B132151	ZP-B132152
MCE	ZP-B132153	ZP-B132154	ZP-B132155	ZP-B132156
Hydrophobic PTFE	ZP-B132133	ZP-B132134	ZP-B132135	ZP-B132136
Hydrophilic PTFE	ZP-B132137	ZP-B132138	ZP-B132139	ZP-B132140
Hydrophobic PVDF	ZP-B132141	ZP-B132142	ZP-B132143	ZP-B132144
Hydrophilic PVDF	ZP-B132145	ZP-B132146	ZP-B132147	ZP-B132148
CA	ZP-B132157	ZP-B132158	ZP-B132159	ZP-B132160
PP	ZP-B132161	ZP-B132162	ZP-B132163	ZP-B132164

Syringe filter (sterilized)

- The shell material is made of high-quality sanitary grade polypropylene material with precise structure design;
- Widely used in drug analysis, food testing, environmental monitoring, protein removal and sterility testing;
- Syringe filters are available for HPLC analysis and sample preparation for IC;
- Stable membrane quality ensures the consistency of analysis results.



Part No	Color	Product description	Packaging
ZP-B132165	Green	Nylon 13mm*0.22um steriled individual	100 PCS/PK 22 PKS/CTN
ZP-B132166	White	Nylon 13mm*0.45um steriled individual	100 PCS/PK 22 PKS/CTN
ZP-B132167	Green	Nylon 25mm*0.22um steriled individual	50 PCS/PK 22 PKS/CTN
ZP-B132168	White	Nylon 25mm*0.45m steriled individual	50 PCS/PK 22 PKS/CTN
ZP-B132169	Red	Hydrophobic PTFE 13mm*0.22um steriled individual	100 PCS/PK 22 PKS/CTN
ZP-B132170	Orange	Hydrophobic PTFE 13mm*0.45um steriled individual	100 PCS/PK 22 PKS/CTN

ZP-B132171	Red	Hydrophobic PTFE 25mm*0.22um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132172	Orange	Hydrophobic PTFE 25mm*0.45um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132173	Red	Hydrophilic PTFE 13mm*0.22um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132174	Orange	Hydrophilic PTFE 13mm*0.45um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132175	Red	Hydrophilic PTFE 25mm*0.22um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132176	Orange	Hydrophilic PTFE 25mm*0.45um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132177	Pink	Hydrophobic PVDF 13mm*0.22um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132178	Purple	Hydrophobic PVDF 13mm*0.45um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132179	Pink	Hydrophobic PVDF 25mm*0.22um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132180	Purple	Hydrophobic PVDF 25mm*0.45um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132181	Pink	Hydrophilic PVDF 13mm*0.22um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132182	Purple	Hydrophilic PVDF 13mm*0.45um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132183	Pink	Hydrophilic PVDF 25mm*0.22um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132184	Purple	Hydrophilic PVDF 25mm*0.45um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132185	Yellow	PES 13mm*0.22um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132186	Blue	PES 13mm*0.45um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132187	Yellow	PES 25mm*0.22um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132188	Blue	PES 25mm*0.45um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132189	Yellow	MCE 13mm*0.22um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132190	Blue	MCE 13mm*0.45um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132191	Yellow	MCE 25mm*0.22um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132192	Blue	MCE 25mm*0.45um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132193	Yellow	CA 13mm*0.22um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132194	Blue	CA 13mm*0.45um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132195	Yellow	CA 25mm*0.22um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132196	Blue	CA 25mm*0.45um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132197	Green	PP 13mm*0.22um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132198	White	PP 13mm*0.45um steriled individual	100 PCS/PK	22 PKS/CTN
ZP-B132199	Green	PP 25mm*0.22um steriled individual	50 PCS/PK	22 PKS/CTN
ZP-B132200	White	PP 25mm*0.45um steriled individual	50 PCS/PK	22 PKS/CTN

PP solvent bottles

- Made of high-quality PP/HDPE, non-biological toxicity, 100,000-level clean workshop production environment, acid, alkali, alcohol, etc.
- Multiple quality system certifications to ensure no DNase/RNase, no pyrogen, no endotoxin;
- Compression resistance, strong impact resistance, durable, high-quality bottle wall, strong structure, can effectively prevent rupture or puncture, widely used in IVD diagnosis;
- Polypropylene PP can withstand high temperature at 121°C and can be sterilized under high temperature and high pressure; high-density polyethylene HDPE can withstand low temperature at -80°C and can be stored.

HDPE clear bottle with cap Wide

Part No	Volumn	Image	
ZP-C111106	30ml White		
ZP-C111105	60ml White		
ZP-C111104	125ml White		
ZP-C111103	250ml White		
ZP-C111102	500ml White		
ZP-C111101	1000ml White		
ZP-C111112	30ml Amber		
ZP-C111111	60ml Amber		
ZP-C111110	125ml Amber		
ZP-C111109	250ml Amber		
ZP-C111108	500ml Amber		
ZP-C111107	1000ml Amber		

HDPE clear bottle with the cap Narrow

Part No	Volumn	Image	
ZP-C112106	30ml White		
ZP-C112105	60ml White		
ZP-C112104	125ml White		
ZP-C112103	250ml White		
ZP-C112102	500ml White		
ZP-C112101	1000ml White		
ZP-C112112	30ml Amber		
ZP-C112111	60ml Amber		
ZP-C112110	125ml Amber		
ZP-C112109	250ml Amber		
ZP-C112108	500ml Amber		
ZP-C112107	1000ml Amber		

Universal pipette tips

- Made of high-purity PP, precision molds to ensure product quality and dimensional stability;
- Not easy to wear, easy to observe the liquid level during use, the inner tube wall is smooth, to ensure the accuracy of liquid absorption, and low liquid residue;
- High stress strength, hard nozzle, good temperature resistance: -80-121°C, no deformation after high temperature and high pressure.

Part No	Product description	Packaging	Image
ZP-D311101	10µl/32mm/Without filter	1000PCS/PK	<p>Without filter</p>
ZP-D311102	10µl lengthen/46mm/Without filter	1000PCS/PK	
ZP-D311103	200µl/51mm/Without filter	1000PCS/PK	
ZP-D311104	200µl lengthen/60mm Without filter	1000PCS/PK	
ZP-D311105	1000µl lengthen/80mm Without filter	1000PCS/PK	
ZP-D311106	1000µl lengthen/102mm Without filter	1000PCS/PK	
ZP-D311107	10µl/sterilized/32mm/Without filter	96PCS/box 10box/PK	
ZP-D311108	10µl lengthen/sterilized/46mm Without filter	96PCS/box 10box/PK	
ZP-D311109	200µl/sterilized/51mm Without filter	96PCS/box 10box/PK	
ZP-D311110	200µl lengthen/sterilized/60mm Without filter	96PCS/box 10box/PK	
ZP-D311111	1000µl/sterilized/80mm Without filter	96PCS/box 10box/PK	
ZP-D311112	1000µl lengthen/sterilized 102mm/Without filter	96PCS/box 10box/PK	
ZP-D312101	10µl/32mm/With filter	1000PCS/PK	<p>With filter</p>
ZP-D312102	10µl lengthen/46mm/With filter	1000PCS/PK	
ZP-D312103	200µl/51mm/With filter	1000PCS/PK	
ZP-D312104	200µl lengthen/60mm/With filter	1000PCS/PK	
ZP-D312105	1000µl lengthen/80mm/With filter	1000PCS/PK	
ZP-D312106	1000µl lengthen/102mm/With filter	1000PCS/PK	
ZP-D312107	10µl/sterilized/32mm/With filter	96PCS/box 10box/PK	
ZP-D312108	10µl lengthen/sterilized/46mm With filter	96PCS/box 10box/PK	
ZP-D312109	200µl/sterilized/51mm/With filter	96PCS/box 10box/PK	
ZP-D312110	200µl lengthen/sterilized/60mm With filter	96PCS/box 10box/PK	
ZP-D312111	1000µl/sterilized/80mm/With filter	96PCS/box 10box/PK	
ZP-D312112	1000µl lengthen/sterilized 102mm/With filter	96PCS/box 10box/PK	

Centrifuge tube

- The tube body is made of PP, which is highly transparent and convenient for sample observation;
- Ultra-fine grinding, unique thickness, legible scale and larger area for marking;
- Strengthen the design of the tube cap, improve the sealing performance of the product, prevent liquid leakage, and the sterilized cap is electron beam sterilized;
- Produced in a 100,000-level dust-free workshop, no DNase, RNase, no pyrogen, no endotoxin;
- Microcentrifuge tube can withstand a centrifugal force of up to 20000RCF, and conventional centrifuge tube is up to 12000RCF.

Part No	Product description	Image
ZP-A311101	0.6ml/Conical, with cap/non-sterile/1000PCS/PK	
ZP-A311102	1.5ml/Conical, with cap/non-sterile/500PCS/PK	
ZP-A311103	2.0ml/Conical, with cap/non-sterile/500PCS/PK	
ZP-A311104	0.6ml/Conical, with cap/Sterilized/1000PCS/PK	
ZP-A311105	1.5ml/Conical, with cap/Sterilized/500PCS/PK	
ZP-A311106	2.0ml/Conical, with cap/Sterilized/500PCS/PK	
ZP-A312103	15ml/Conical, with cap/Sterilized/25PCS/PK	
ZP-A312104	50ml/Conical, with cap/Sterilized/25PCS/PK	

PEEK connector

- PEEK is a special engineering plastic with excellent properties such as high temperature resistance, self-lubricating, easy processing and high mechanical strength;
- This series of products is convenient, easy to use, reusable, and has good pressure resistance, and the one-piece type does not need a matching blade ring;
- Can be used for 1/16" outer diameter capillary, wide application range, high temperature resistance, corrosion resistance.

Part No	Type	Length	Description	Packaging
ZP-B610101	1/16	20mm	PEEK Integral joint/10-32UNF	10PCS/PK
ZP-B610102	1/16	18mm	PEEK Integral round head joint/10-32UNF	10PCS/PK
ZP-B610103	1/16	18mm	PEEK Integral small flat head joint/10-32UNF	10PCS/PK

ZP-B610104	1/16	19mm	PEEK integral hex joint/10-32UNF	10PCS/PK
ZP-B610105	1/8	19mm	PEEK split joint/1/4-28UNF	10PCS/PK
ZP-B610106	1/16	22mm	PEEK split joint/10-32UNF	1PCS/PK
ZP-B610107	1/8 to 1/8	25mm	PEEK through the wall/outer3/8-24UNF inner1/4-28UNF*2	1PCS/PK
ZP-B610108	1/16 to 1/16	36.7mm	PEEK joint-union inner10-32UNFto10-32UN	1PCS/PK
ZP-B610109	1/8 to 1/8 to 1/8	28mm	PEEK joint-tee-1/4-28UNF*3	1PCS/PK
ZP-B610110	1/16 to 1/16 to 1/16 to 1/16	28.7mm	PEEK joint-cross/10-32UNF*4	1PCS/PK
ZP-B610111	1/16 to 1/8	25mm	PEEK joint- luer inner union 1/4-28UNFor10-32UN	1PCS/PK
ZP-B610112	1/16	18mm	Plug/10-32UNF	10PCS/PK
ZP-B610113	1/16	34.8mm	Adapter/10-32UNF	1PCS/PK
ZP-B610114	1/8	/	PEEK Blade ring/split joint	10PCS/PK
ZP-B610115	1/8 to 1/8	36.7mm	PEEK joint-union inner 1/4-28NFto1/4-28UN	1PCS/PK

Joint pipeline

Part No	ID	Length	Product description	Image
ZP-B620101	0.17mm	150mm	Type A capillary - without fittings	
ZP-B620102	0.17mm	550mm	Type A capillary - without fittings	
ZP-B620103	0.12mm	300mm	Type A capillary - without fittings	
ZP-B620104	0.17mm	150mm	Type A capillary - short metal fittings at A and B ends	
ZP-B620105	0.17mm	500mm	Type A capillary - short metal fittings at A and B ends	
ZP-B620106	0.12mm	150mm	Type A capillary - short metal fittings at A and B ends	
ZP-B620107	0.12mm	500mm	Type A capillary - short metal fittings at A and B ends	
ZP-B620108	0.17mm	150mm	Type A capillary - fingertight fittings on A and B ends	
ZP-B620109	0.17mm	350mm	Type A capillary - fingertight fittings on A and B ends	
ZP-B620110	0.17mm	150mm	Type B capillary - without fittings	
ZP-B620111	0.17mm	350mm	Type B capillary - without fittings	
ZP-B620112	0.12mm	150mm	Type B capillary - without fittings	
ZP-B620113	0.12mm	350mm	Type B capillary - without fittings	

Part No	ID	Length	Product description	Image
ZP-B620114	0.17mm	150mm	Type B capillary - A and B end fingertight fittings	
ZP-B620115	0.17mm	350mm	Type B capillary - A and B end fingertight fittings	
ZP-B620116	0.12mm	150mm	Type B capillary - A and B end fingertight fittings	
ZP-B620117	0.12mm	350mm	Type B capillary - A and B end fingertight fittings	
ZP-B620118	0.17mm	150mm	Type C capillary - without fittings	
ZP-B620119	0.17mm	350mm	Type C capillary - without fittings	
ZP-B620120	0.12mm	150mm	Type C capillary - without fittings	
ZP-B620121	0.12mm	350mm	Type C capillary - without fittings	
ZP-B620122	0.17mm	150mm	Type C capillary - double-ended short metal fittings	
ZP-B620123	0.17mm	350mm	Type C capillary - double-ended short metal fittings	
ZP-B620124	0.12mm	150mm	Type C capillary - double-ended short metal fittings	
ZP-B620125	0.12mm	350mm	Type C capillary - double-ended short metal fittings	

HPLC accessories

Part No	Product description	Image
ZP-B630101	M1 mirror	
ZP-B630102	Grating components	
ZP-B630103	Large lens - Detector Lens Light Source Lens Assembly	
ZP-B630104	Small lens - Detector Lens Light Source Lens Assembly	
ZP-B630105	400 bar active inlet valve spool For 1100, 1200 and 1260 Infinity LC pumps	
ZP-B630106	600 bar active inlet valve spool for 1200 LC system/1260 Infinity II SFC System and 1260 Infinity LC System	
ZP-B630107	Outlet check valve For 1100, 1200 and 1260 Infinity LC pumps	
ZP-B630108	Check valve For thermo U3000 analytical liquid chromatography	
ZP-B630109	Ruby check valve for waters 2695, E2695, 2690	
ZP-B630110	Ceramic check valve for waters 2695, E2695, 2690	
ZP-B630111	Stainless steel quantitative loop 100µL For G1313AG1329A/B	
ZP-B630112	restrictive capillary	

Cap

■ Suitable for capillary electrophoresis, such as Maurice KF2213

Part No	Product description	Packaging	Image
ZP-B660101	Blue cap	12 PCS/PK	

Mircro syringes

Part No	Product description	Packaging	Image
ZP-B142144	5ul autosampler syringe tapered, fixed	1 PCS/PK	
ZP-B142148	10ul autosampler syringe tapered, fixed	1 PCS/PK	
ZP-B142217	10µL precision plunger manual syringe, fixed	1 PCS/PK	
ZP-B142120	10ul precision plunger blue autosampler syringe, conical, fixed	1 PCS/PK	
ZP-B142173	10ul autosampler syringe, straight, fixed	1 PCS/PK	
ZP-B142159	1ul autosampler syringe, tapered needle	1 PCS/PK	
ZP-B142149	10ul autosampler syringe, tapered, fixed	1 PCS/PK	
ZP-B142128	10ul PTFE-tipped plunger blue autosampler syringe, straight, fixed	1 PCS/PK	
ZP-B142145	5ul autosampler syringe, tapered, fixed	1 PCS/PK	

Gas phase sampling septa

■ For gas chromatography inlets

Sampling septa

Part No	Unit	Material	Packaging	Image
HM-0121	9.5mm	PTFE/yellow silicone	100PCS/PK	
HM-0122	7mm	PTFE/yellow silicone	100PCS/PK	

Solvent inlet filter

■ For liquid chromatography mobile phase inlet

Part No	Product description	Image
ZP-B133101	Glass filter	
ZP-B133102	Stainless steel sand core filter	
ZP-B133106	PTFE sand core filter	

Graphite ferrules

■ For the connection between the gas chromatography capillary column and the injection port

Part No	Product description	Unit	Packaging	Image
ZP-B670101	Graphite plug 0.32 mm	15% graphite 85% Vespel	10PCS/PK	
ZP-B670102	Graphite plug 0.45mmto0.53 mm	15% graphite 85% Vespel	10PCS/PK	
ZP-B670103	Graphite plug 0.1to0.25mm	15% graphite 85% Vespel	10PCS/PK	

Manufacturer	Auto-sampler	8mm Screw	9mm Screw	15*45mm 4mL	11mm Crimp	Headspace
Waters	717Plus				√	
	Acquity	√	√		√	
	Alliance 2690	√	√			
	Cap LC	√	√		√	
	WISP			√		
Agilent	1100, 1050, 1090		√		√	
	79855A					
	5880, 5890 (GCs)					
	6880, 6890 (GCs)		√	√	√	
	7673A+7683A					
	7694					
	G1888A					10 mL/20mL Crimp 20mL Screw
	Tekmar3100					40mL EPA
	7695A					
Shimadzu	AOC14/1400					
	AOC 88/9	√	√		√	
	LC 2010					
	SIL-HT/10ADVP					
	AOC-20		√	√	√	
	AOC-5000	√	√		√	Round bottom, magnetic
	HSS-2B/4B					√
	SIL-6A/6B/9A	With flange				
	SIL-10A,SIL-10Ai,SIL-10AxL	√	√			
Thermo Fisher Diana	A-200S/AS 150/800/8000	√	√		√	
	AS 3000/TRACE GC					
	TriPlus		√		√	
	WPS-3000RS					
	WPS-3000SL	√	√		√	
	ASI-100					
	SURVEYOR LC					
	HS2000,HS850					10mL/20mL Crimp
	HS250,HS500,HS800					10mL Round bottom, crimp
	In Kombinationmit Combi PAL					10mL/20mL Round bottom crimp,10mL/20mLScrew
Tianmei/Varian	8034/8035/8100/8200	√	√		√	
	9095/9110					
	CP-8410		√	√	√	
	Genesis					√
PerkinElmer	Autosystem GC/XL/AS-2000	√	√	√	√	
	Clarus 500/600		√		√	
	HS16/40					√
	Integral 4000	√	√		√	
	ISS-100/200					
	LC 600 42		√	√	√	√
	Sample bottle tray			√		
	LC Plus	√	√	√		
	TurboMatrix 40/110					√
CTC Analytics	CombiPal		√	√	√	Magnetic

Series	-	Agilent	Agilent Crosslab	Waters	Thermo	National	La-pha-pack	Shimadzu	PE
9-425 Screw Neck Vials	HM-0713HY	5182-0715 (100/PK)	8010-0014	186000273	60180-509	C4000-1W	11 09 0519		N9306201
	HM-0713HY	5183-2068 (1000/PK)	8010-0175						
	HM-0716HY	5182-0716 (100/PK)	8010-0016	186000848	60180-561	C4000-2W	11 09 0520		N9306220
	HM-0716HY	5183-2069 (1000/PK)	8010-0176						
	HM-0712	5182-0714 (100/PK)	8010-0015		60180-723	C4000-1	11 09 0500		
	HM-0712	5183-2067 (1000/PK)							
	HM-0717	5188-6535 (100/PK)	8010-0017		60180-724				
	HM-0717	5188-6536 (1000/PK)							
	HM-0746							11 09 1205	
	HM-0745	5190-2242 (100/PK)		186002626		C4000-11	11 09 0932		
	HM-0745	5190-2243 (1000/PK)							
	HM-0718	5188-6591							
	HM-0718A	5188-6592							
	HM-31509	5183-2030		186002802		C4000-9	11 09 0620		
HM-31510	5183-2073				C4000-9A				
Caps & Septum of 9-425 Screw Neck Vials	HM-0722	5182-0717 (100/PK)			60180-728	C4000-51B	09 15 1819		
	HM-0722	5185-5820 (500/PK)			60180-669				
	HM-0722	5190-1599 (1000/PK)							
	HM-0722	5182-0718 (100/PK)							
	HM-0722	5185-5829 (500/PK)							
	HM-0722	5182-0719 (100/PK)							
	HM-0722	5185-5838 (100/PK)							
	HM-0720	5182-0720 (100/PK)	8010-0086		60180-516	C4000-54B	09 15 0838		N9306202
	HM-0720	5185-5836 (500/PK)	8010-0088		60180-729				
	HM-0720	5182-0721 (100/PK)	8010-0084		60180-671				
	HM-0720	5185-5864 (500/PK)	8010-0816						
	HM-0720	5182-0722 (100/PK)							
	HM-0720	5040-4681 (100/PK)							
	HM-0720	5040-4683 (100/PK)							
	HM-2076	5183-2076 (100/PK)	8010-0078		60180-672	C4000-55B	09 15 0869		
	HM-2076	5185-5865 (500/PK)	8010-0082						
	HM-2076	5183-2077 (100/PK)	8010-0075						
	HM-2076	5183-2078 (100/PK)							
	HM-0722Z	5185-5823	8010-0077	186000274		C4000-64B	09 04 1533		
	HM-0722Z		8010-0074	186002456					
	HM-0720B	5182-0723 (100/PK)	8010-0087		60180-670	C4000-53B	09 15 0868		
	HM-0720B	5185-5862 (500/PK)	8010-0089						
	HM-0720B	5182-0724 (100/PK)	8010-0085						
	HM-0720B	5185-5861 (500/PK)	8010-0817						
HM-0720B	5182-0725 (100/PK)								
HM-2076Z	5185-5824 (100/PK)		186000305	60180-674	C4000-75C	09 04 1534			
HM-2076Z	5040-4649 (1000/PK)		186002127						
HM-2076Z			186002457						
11mm Crimp Top Vials	HM-0543	5182-0543 (100/PK)	8010-0001	WAT094222	60180-502	C4011-1W	11 09 0476		N9301385
	HM-0543	5183-4492 (1000/PK)	8010-0170						
	HM-3376	5181-3376 (100/PK)	8010-0003	WAT094223		C4011-2W	11 09 0477		N9302680
	HM-3376	5183-4493 (1000/PK)	8010-0172						
	HM-3375	5181-3375 (100/PK)	8010-0002			C4011-1	11 09 0356		
	HM-3375	5183-4491 (1000/PK)							
Caps & Septum of 11mm Crimp Top Vials	HM-1210	5182-0552 (100/PK)	8010-0050	PSL404219	60180-706	C4011-4A	11 03 0247		N9306228
	HM-1210	5183-4500 (1000/PK)	8010-0183		60180-526				
	HM-1211R	5181-1210 (100/PK)	8010-0051		60180-705		11 03 1875		N9306015
	HM-1211R	5061-3370 (500/PK)	8010-0045						
	HM-1211R	5183-4498 (1000/PK)	8010-0181						
11mm Snap Ring Vials	HM-0546	5182-0546 (100/PK)	8010-0023	WAT094219	60180-710	C4011-5W	11 09 0644		N9303418
	HM-0546	5183-4505 (1000/PK)	8010-0177						
	HM-0545	5182-0545 (100/PK)	8010-0025	WAT094220		C4011-6W	11 09 0645		N9306208
	HM-0545	5183-4506 (1000/PK)	8010-0178						
	HM-0544	5182-0544 (100/PK)	8010-0024			C4011-5	11 09 0627		
	HM-0544	5183-4504 (1000/PK)							
Caps & Septum	HM-0556	5182-0541 (Blue)	8010-0104	186002649	60180-713	C4011-54	11 15 0637		N9303419
	HM-0556		8010-0103		60180-677				

Series	-	Agilent	Agilent Crosslab	Waters	Thermo	National	La-pha-pack	Shimadzu	PE
of 11mm Snap Ring Vials	HM-0556		8010-0189						
	HM-0556		8010-0111						
	HM-0550	5182-0550 (100/PK)			60180-712	C4011-51	11 15 0635		
	HM-0550	5182-0564 (500/PK)			60180-676		11 15 1850		
Inserts for 9-425 Screw	HM-3377	5181-3377 (500/PK)	8010-0136			C4011-631	06 09 0866		
	HM-2085	5183-2085	8010-0132			C4011-629L	06 09 0669		
	HM-1270	5181-1270	8010-0131	WAT094170		C4011-630	06 09 0865		
	HM-0549	5182-0549				C4011-630P			
8-425 Screw Neck Vials	HM-4426	5183-4428	8010-0011			C4013-1	11090210		
	HM-4426					C4013-1500			
	HM-4429	5183-4429	8010-0013			C4013-2	11090259		
	HM-4427		8010-0010		60180-508	C4013-1W	11090419	038-00165-06	
	HM-4431		8010-0012		60180-560	C4013-2W	11090382		
Caps & Septum of 8-425 Screw Neck Vials	HM-4447		8010-0064		60180-665	C4013-30A	8151965		
	HM-4447		8010-0069						
	HM-4447		8010-0059						
	HM-4442	5183-4442	8010-0061		60180-667	C4013-60A	8150293	221-34271-92	N9306052
	HM-4442		8010-0069						
Inserts for 8-425 Screw	HM-2090	5183-2090	8010-0126			C4012-465	5091674		
	HM-2089	5183-2089	8010-0125			C4012-529	5090129		
	HM-2088	5183-2088	8010-0124			C4012-530	5090968		
1ml Shell Vial	HM-8240			WAT025054C		C4015-96	08 14 1168		
	HM-8242			WAT025053C		C4015-99	08 14 1169		
13-425 Screw Neck Vials	HM-4455A	5067-0246	8010-0020	186000840		C4015-11W	13091335	220-90393-00	N9306247
	HM-4452A	5067-0247	8010-0021	186001135		C4015-2W	13091336		
	HM-4455	5183-4448				C4015-1	13090222		
	HM-4452	5183-4450				C4015-2	13090280		
Caps & Septum of 13-425 Screw Neck Vials	HM-4463	5183-4460				C4015-30A	13 15 0456		
	HM-4463	9301-1031 (144)							
	HM-4464	5183-4464	8010-0095	186000841		C4015-75A	13150815	220-91521-14	
	HM-4464					C4015-75W			
	HM-4461	5183-4461	8010-0096	WAT072711 (144)		C4015-1A	13080166	220-90394-00	
	HM-4461					C4015-1W			
	HM-4459	5183-4459 (1000)	8010-0099	WAT072714 (144)			12020168		
20mm Crimp Top Headspace Vial	HM-0638						20090801		
	HM-0838	5182-0838	8010-0029			C4020-10	20090795		
	HM-0838	5190-2285	8010-0179						
	HM-0837	5182-0837	8010-0033			C4020-20	20090796		
	HM-0837	5190-2286	8010-0180						
	HM-0837B	5183-4474	8010-0034		60180-506	C4020-2	20090873		N9306079
Caps & Septum of 20mm Crimp Top Headspace Vial	HM-0721	9301-0721	8010-0120		60180-512	C4020-3A			
	HM-0721E	9301-0718				C4020-6A			
	HM-4476	5183-4476				C4020-30	20100290		
	HM-4483S	5183-4479 (100/PK)	8010-0117		60180-513	C4020-39A	20030059		
	HM-4483S	5190-2258 (1000/PK)							
	HM-4483B								
	HM-4481	5183-4477 (100/PK)	8010-0116		60180-511	C4020-32A	20030901		
	HM-4481	5190-2257 (1000/PK)	8010-0191						
	HM-4481TG		8010-0429				20030142		
	HM-4484R		8010-0420		60180-520		20031536		
18mm Screw Headspace Vials	HM-1046G	5188-5392	8010-0038			C4020-180	18091306	220-94796-07	N6356479
	HM-1046GA	5188-6538	8010-0040				18091310		
	HM-2075G	5188-2753	8010-0042			C4020-18	18091307	220-94796-01	N9306075
	HM-275GA	5188-6537	8010-0044				18091311		
Caps & Septum of 18mm Screw Headspace Vials	HM-2759	5188-2759	8010-0139			C4020-46	18031414		
	HM-2759						18031309		
	HM-2759	5190-3986				C4020-48			
	HM-2757		8010-0418						

8-425 Screw Cap For Shimadzu Autosampler					
9-425 Screw Cap For Agilent Autosampler					
9-425 Screw Cap For Waters Autosampler					
13-425 Screw Cap					
24-400 EPA Screw Cap					
Wide opening Safe Screw Cap					
Insert					
Insert Feet					

8-425 8mm Screw Vial		9-425 9mm Screw vial	
13-425 13mm Screw Vial		18mm Screw headspace vial	
20mm Crimp Top Headspace Vial		24-400 20mL Screw Vial	
24-400 40mL Screw Vial		24-400 60mL Screw Vial	

Note