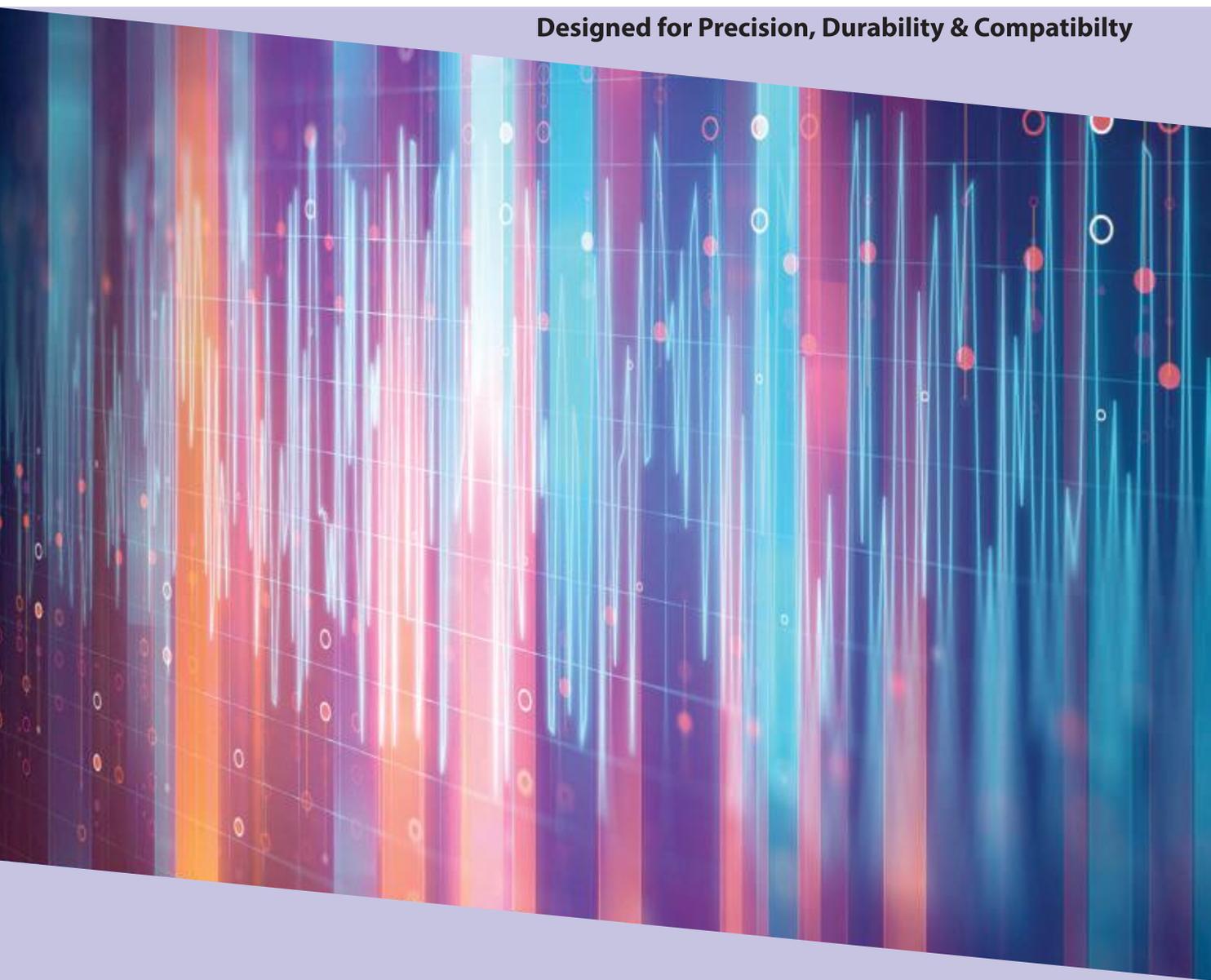


Analytical vials with Closures

Designed for Precision, Durability & Compatibility



Certified For Chromatography Analysis

Discover the difference in precision with chromatography vials crafted for excellence.



Premium Material :

Made from high-quality borosilicate glass , these vials offer maximum chemical resistance and sample purity

Leak-Proof Design :

Precision-fit threads and tight sealing ensure your samples remain uncontaminated and secure, preventing leaks and evaporation

Wide Compatibility :

Designed to work seamlessly with most autosamplers and chromatography instruments for convenient, versatile use in various lab settings.

Optimal Sealing :

Provides a secure, air-tight seal that protects samples from contaminants while ensuring easy syringe penetration

Temperature Tolerance :

Built to withstand extreme temperatures, ensuring compatibility with both heating and cooling requirements.

Chromatography Vials are typically used as sample containers for Gas Chromatography (GC) or Liquid chromatography (LC) analysis.

Closures are Important.

- Chromatography vials commonly have crimp, snap, or screw finishes.
- Closures may be pre-assembled with septa or can be separated.
- Screw Closures are common and mostly used made from PP. These come in various colors for easy identification.
- Crimps are made with aluminum crimp seals to create a more permanent closure.

Some Important Features

- Graduations making for volume identification
- Frosted Marking area for easy writing of sample identification
- 9mm mouth for HPLC
- 20 mm mouth for GCMS
- A thick-wall of headspace vials to withstand pressure and vacuum

2ml Analytical Vial and Screw Cap

For HPLC/LC/LCMS Analysis

- Threaded Neck with Diameter 9mm
- Available in Clear and Amber Colour.
- Polypropylene Cap with Silicon /PTFE Septa
- Option of patch with graduation & clear vials
- Option of Bonded and Non bonded Septa available.
- Select from range of Non Slit and Pre Slit Septa
- Manufactured under **quality standard** protocols
- Every Vial is Inspected carefully under expert supervisions

Dimensions



Chemically Inert
Graduated
Patch

Manufactured from
Borosilicate
Glass USP
Class I

Leach Proof
PTFE-Silicon
Septa



Mechanically
STABLE
Vial

Universal
Compatibility
with
Autosampler

Analytical Vials

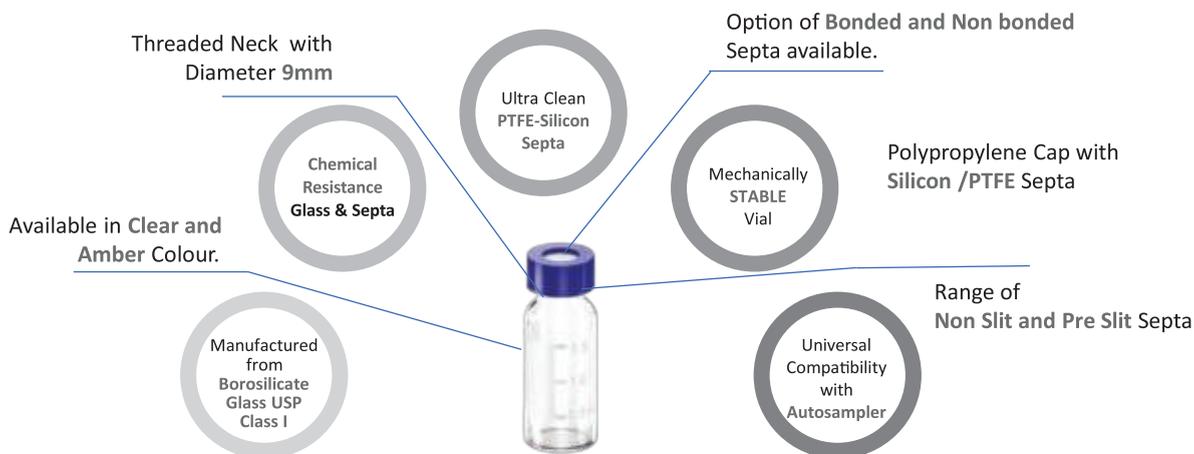
Cat. No	Volume	Color	Head Diameter	Usable Volume	Qty/ Pack
AVSE02	2 ml	Clear	9 mm	1.5 ml	100
AVSE02P	2 ml	Clear	9 mm	1.5 ml	100
AVSE02A	2 ml	Amber	9 mm	1.5 ml	100
AVSE02AP	2 ml	Amber	9 mm	1.5 ml	100

Vial Closure with Septa

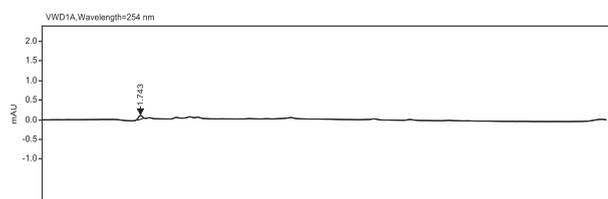
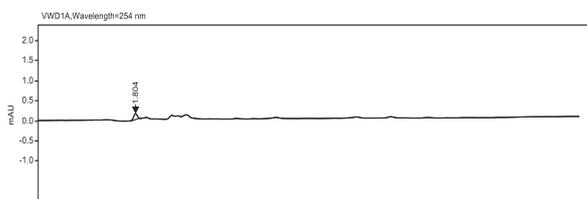
Cat. No	Cap Diameter	Color	Septa Material	Septa Mount	Septa Feature	Qty/ Pack
ASE09PL	9 mm	Blue	PTFE -RED Silicon - White	Non Bonded	Non Slited	100
ASE09SL	9 mm	Blue	PTFE -RED Silicon - White	Non Bonded	Pre Slited	100
ASE09PLB0	9 mm	Blue	PTFE -RED Silicon - White	Bonded	Non Slited	100
ASE09PSLB0	9 mm	Blue	PTFE -RED Silicon - White	Bonded	Pre Slited	100

ORDERING INFORMATION

2ml HPLC Certified Vial and Screw Cap For HPLC Analysis



Manufactured following **quality standard** protocols under **controlled supervisions** for making every vials compatible for **Critical Analysis**.



NO NOISEOUS PEAK is observed during chromatography analysis using HPLC

ORDERING INFORMATION

HPLC Vials

Cat. No	Quality standard	Volume	Color	Head Diameter	Usable Volume	Qty/ Pack
ACVSE02	Certified	2 ml	Clear	9 mm	1.5 ml	100
ACVSE02P	Certified	2 ml	Clear	9 mm	1.5 ml	100
ACVSE02A	Certified	2 ml	Amber	9 mm	1.5 ml	100
ACVSE02AP	Certified	2 ml	Amber	9 mm	1.5 ml	100

Vial Closure with Septa

Cat. No	Quality Standard	Cap Diameter	Color	Septa Material	Septa Mount	Septa Feature	Qty/ Pack
ACSE09PL	Certified	9 mm	Blue	PTFE -RED Silicon - White	Non Bonded	Non Slited	100
ACSE09SL	Certified	9 mm	Blue	PTFE -RED Silicon - White	Non Bonded	Pre Slited	100
ACSE09PLB0	Certified	9 mm	Blue	PTFE -RED Silicon - White	Bonded	Non Slited	100
ACSE09SLB0	Certified	9 mm	Blue	PTFE -RED Silicon - White	Bonded	Pre Slited	100

2ml Analytical Vial and Crimp Cap

For HPLC/LC/LCMS Analysis

- Threaded Neck with Diameter 11mm
- Available in Clear and Amber Colour.
- Polypropylene Cap with Silicon /PTFE Septa
- Option of patch with graduation & clear vials
- Option of Bonded and Non bonded Septa available.
- Select from range of Non Slit and Pre Slit Septa
- Manufactured under quality standard protocols
- Every Vial is Inspected carefully under expert supervisions

Manufactured from Borosilicate Glass USP Class I

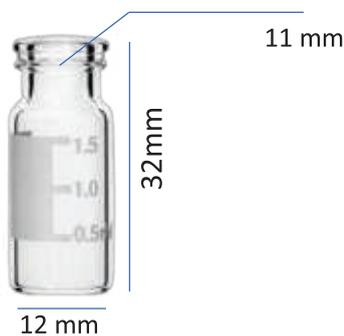
Chemically Inert Graduated Patch

Leach Proof PTFE-Silicon Septa

Mechanically STABLE Vial

Universal Compatibility with Autosampler

Dimensions



ORDERING INFORMATION

Analytical Vials Crimp Cap Neck 11 mm

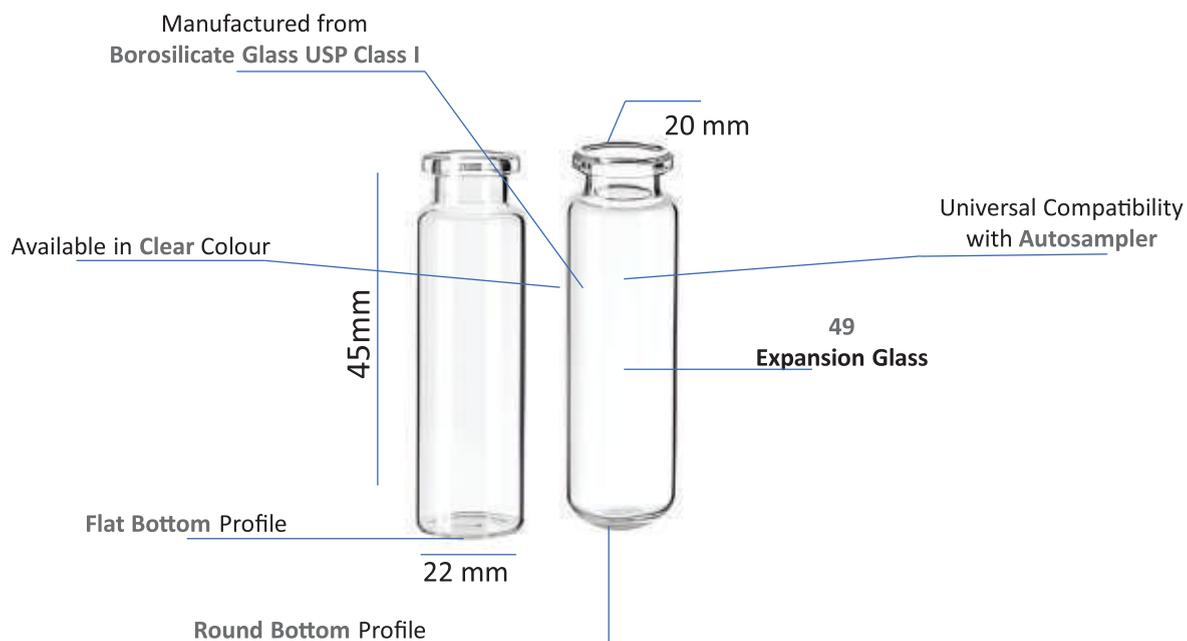
Cat. No	Volume	Color	Head Diameter	Usable Volume	Qty/ Pack
AVSE02C	2 ml	Clear	11 mm	1.5 ml	100
AVSE02CP	2 ml	Clear	11 mm	1.5 ml	100
AVSE02AC	2 ml	Amber	11 mm	1.5 ml	100
AVSE02ACP	2 ml	Amber	11 mm	1.5 ml	100

Crimp Cap with Septa 11 mm

Cat. No	crimp Diameter	Color	Septa Material	Septa Mount	Septa Feature	Qty/ Pack
ACR11PL	11 mm	Silver	PTFE -RED Silicon - White	Non Bonded	Non Slited	100
ACR11SL	11 mm	Silver	PTFE -RED Silicon - White	Non Bonded	Pre Slited	100

20ml Headspace Vial and Crimp Cap

For GC Analysis



ORDERING INFORMATION

20 ml GC Headspace Vials

Cat. No	Volume	Color	Head Diameter	Vial profile	Qty/ Pack
A-H-20-FB	20 ml	Clear	20 mm	Flat Bottom	100
HS-SC-20-RB	20 ml	Clear	20 mm	Round Bottom	100

Vial Closure with Septa

Cat. No	CAP MOC	Cap Diameter	Color	Septa Material	Septa Mount	CAP TYPE	Qty/ Pack
AACC-20-SW	Aluminium	20 mm	Silver	PTFE -Beige Silicon - White	Non Bonded	Crimp	100

40ml TOC/ EPA Vial and Cap with dust cover

For TOC /EPA Method analysis



Manufactured from **Borosilicate glass Type I**

Resistance to **thermal shock, chemical corrosion,** and ability to provide a **non-reactive surface.**

Leach proof

PTFE-lined caps to prevent contamination, evaporation, or exposure to air

Pre-washed to minimize contamination

Silicone-treated to minimize sample adsorption

The vials are designed to be compatible with various TOC analyzers.

ORDERING INFORMATION

TOC/EPA Vials

Cat. No	Volume	Color	Head Diameter	Vial profile	Qty/ Pack
AVOC40C	40 ml	Clear	24 mm	Flat Bottom	100
AVOC40AC	40 ml	Amber	24 mm	Flat Bottom	100

Closure for TOC/EPA Vials

Cat. No	Cap		Dust Cover	Septa Material	Septa Mount	Septa Feature	CAP TYPE	Qty/ Pack
	Diameter	Color						
ASCOC24	24 mm	White	NO	PTFE / Silicon	Non Bonded	Non Slit	Screw	100
ASCOC24D	24 mm	White	YES	PTFE / Silicon	Non Bonded	Non Slit	Screw	100

Cap without Dust Cover



Cap For ASCOC24

Cap with Dust Cover



Cap For ASCOC24D

2ml Analytical Vial and Screw Cap (CombiPack)

For HPLC/LC/LCMS Analysis

Cat No.	Volume	Color	Head Diameter	Usable Volume	Write on Patch	Cap Color	Septa Material	Septa Mount	Septa Feature	Qty/ Pack
ACV02PL	2 ml	Clear	9mm	1.5	NO	Blue	PTFE/Silicon	Non Bonded	Non Slit	100
ACV02SL	2 ml	Clear	9mm	1.5	NO	Blue	PTFE/Silicon	Non Bonded	Pre Slit	100
ACV02PLBO	2 ml	Clear	9mm	1.5	NO	Blue	PTFE/Silicon	Bonded	Non Slit	100
ACV02SLBO	2 ml	Clear	9mm	1.5	NO	Blue	PTFE/Silicon	Bonded	Pre Slit	100
ACV02PPL	2 ml	Clear	9mm	1.5	Yes	Blue	PTFE/Silicon	Non Bonded	Non Slit	100
ACV02PSL	2 ml	Clear	9mm	1.5	Yes	Blue	PTFE/Silicon	Non Bonded	Pre Slit	100
ACV02PPLBO	2 ml	Clear	9mm	1.5	Yes	Blue	PTFE/Silicon	Bonded	Non Slit	100
ACV02PSLBO	2 ml	Clear	9mm	1.5	Yes	Blue	PTFE/Silicon	Bonded	Pre Slit	100
AAV02PL	2 ml	Amber	9mm	1.5	NO	Blue	PTFE/Silicon	Non Bonded	Non Slit	100
AAV02SL	2 ml	Amber	9mm	1.5	NO	Blue	PTFE/Silicon	Non Bonded	Pre Slit	100
AAV02PLBO	2 ml	Amber	9mm	1.5	NO	Blue	PTFE/Silicon	Bonded	Non Slit	100
AAV02SLBO	2 ml	Amber	9mm	1.5	NO	Blue	PTFE/Silicon	Bonded	Pre Slit	100
AAPV02PL	2 ml	Amber	9mm	1.5	Yes	Blue	PTFE/Silicon	Non Bonded	Non Slit	100
AAPV02SL	2 ml	Amber	9mm	1.5	Yes	Blue	PTFE/Silicon	Non Bonded	Pre Slit	100
AAPV02PLBO	2 ml	Amber	9mm	1.5	Yes	Blue	PTFE/Silicon	Bonded	Non Slit	100
AAPV02SLBO	2 ml	Amber	9mm	1.5	Yes	Blue	PTFE/Silicon	Bonded	Pre Slit	100

2ml Certified HPLC Vial and Screw Cap (CombiPack)

For HPLC Analysis

Cat No.	Vol.	Color	Head Diameter	Usable Volume	Write on Patch	Cap Color	Septa Material	Septa Mount	Septa Feature	Qty/ Pack
ACV02PL-CE	2 ml	Clear	9mm	1.5	NO	Blue	Ultra Clean PTFE/Silicon	Non Bonded	Non Slit	100
ACV02SL-CE	2 ml	Clear	9mm	1.5	NO	Blue	Ultra Clean PTFE/Silicon	Non Bonded	Pre Slit	100
ACV02PLBO-CE	2 ml	Clear	9mm	1.5	NO	Blue	Ultra Clean PTFE/Silicon	Bonded	Non Slit	100
ACV02SLBO-CE	2 ml	Clear	9mm	1.5	NO	Blue	Ultra Clean PTFE/Silicon	Bonded	Pre Slit	100
ACV02PPL-CE	2 ml	Clear	9mm	1.5	Yes	Blue	Ultra Clean PTFE/Silicon	Non Bonded	Non Slit	100
ACV02PSL-CE	2 ml	Clear	9mm	1.5	Yes	Blue	Ultra Clean PTFE/Silicon	Non Bonded	Pre Slit	100
ACV02PPLBO-CE	2 ml	Clear	9mm	1.5	Yes	Blue	Ultra Clean PTFE/Silicon	Bonded	Non Slit	100
ACV02PSLBO-CE	2 ml	Clear	9mm	1.5	Yes	Blue	Ultra Clean PTFE/Silicon	Bonded	Pre Slit	100
AAV02PL-CE	2 ml	Amber	9mm	1.5	NO	Blue	Ultra Clean PTFE/Silicon	Non Bonded	Non Slit	100
AAV02SL-CE	2 ml	Amber	9mm	1.5	NO	Blue	Ultra Clean PTFE/Silicon	Non Bonded	Pre Slit	100
AAV02PLBO-CE	2 ml	Amber	9mm	1.5	NO	Blue	Ultra Clean PTFE/Silicon	Bonded	Non Slit	100
AAV02SLBO-CE	2 ml	Amber	9mm	1.5	NO	Blue	Ultra Clean PTFE/Silicon	Bonded	Pre Slit	100
AAPV02PL-CE	2 ml	Amber	9mm	1.5	Yes	Blue	Ultra Clean PTFE/Silicon	Non Bonded	Non Slit	100
AAPV02SL-CE	2 ml	Amber	9mm	1.5	Yes	Blue	Ultra Clean PTFE/Silicon	Non Bonded	Pre Slit	100
AAPV02PLBO-CE	2 ml	Amber	9mm	1.5	Yes	Blue	Ultra Clean PTFE/Silicon	Bonded	Non Slit	100
AAPV02SLBO-CE	2 ml	Amber	9mm	1.5	Yes	Blue	Ultra Clean PTFE/Silicon	Bonded	Pre Slit	100

AXIVA SICHEM BIOTECH



420, EPIP, Phase 3, HSIIDC Industrial Estate, Kundli-131028 (Haryana)



507, 5th Floor, RG Trade Tower, Netaji Subhash Place, Delhi-110034



011-40578224,25



www.axibio.co.in



mkt2@axibio.co.in

AXIBIO

LABORATORY FILTERS



INTRODUCTION

Filter papers are essential for routine work in the laboratory and industrial applications. AxiBio has a broad range of filter papers for massive filtration tasks and provides the support you will its best-in-class products for filtration solutions.

Here in this catalog, we present our product range to help you select the filter paper that is the right fit for your application.

Our Products:

- ✓ Chromatography Paper
- ✓ Qualitative Filter Papers
- ✓ Quantitative (Ashless) Filter Papers
- ✓ Hardened Ashless Filter Paper
- ✓ Germination Paper
- ✓ Glass Fibre Filters

What is Filter Paper?

Filter paper comes with various properties. The important parameters are wet strength, porosity, particle retention, volumetric flow rate, compatibility, efficiency, and capacity. Other parameters that influence their effectiveness are absorption, pH, surface properties, thickness, and strength of the filter paper as well as the shape, density, and quantity of particles to be retained.

There are two mechanisms of filtration with paper; volume, and surface. The particles are caught in the bulk of the filter paper by volume filtration. By surface filtration, the particles are caught on the paper surface. Filter paper is mostly used because of the ability of a small piece of filter paper to absorb a significant volume of liquid.

So, It is essential to select the right filter paper to ensure effective filtration.

Qualitative filter paper: Qualitative filter paper is used in qualitative analytical techniques to determine materials. According to the pore size, qualitative filters come in various grades.

Grade 1 qualitative filter paper has a pore size of 11 μm . This grade of filter paper is widely used in many different fields in agricultural analysis, air pollution monitoring, and other similar experiments.

Grade 2 qualitative filter paper has a pore size of 8 μm . This grade of filter paper requires more filtration time than Grade 1 filter paper. This filter paper is used for monitoring specific contaminants in the atmosphere and soil testing.

Grade 3 qualitative filter paper has a pore size of 6 μm . This grade of filter paper is very suitable for carrying samples after filtration.

Grade 4 qualitative filter paper has a pore size of 20-25 μm . This grade of filter paper has the largest pore size among all standard qualitative filter papers. It is very useful as a rapid filter for the cleanup of geological fluids or organic extracts during an experiment.

Quantitative filter paper: Quantitative filter paper, commonly known ash-free filter paper, is used for quantitative and gravimetric analysis. This is produced using acid to make the paper ashless and achieve high purity.

Chromatography papers: Chromatography filter paper has a specific water flow rate and absorption speed to maximize the result of paper chromatography. The absorption speed of this type of filter paper is from 6 cm to 18 cm and the thickness is from 0.17 mm to 0.93 mm.

Extraction thimbles: Extraction thimbles are rod-shaped filter paper often used in soxhlet extractors or atomized extractors. It is ideal for very sensitive detection; the performance depends on the thickness of the inner diameter. It is usually used in areas of food control and environmental monitoring.

Glass fiber filters: Glass fibre filter has a pore size of 1 μm , which is useful for filtering highly contaminated or difficult-to-filter solutions. Also, the glass fiber filter has extended filter life and a wide range of particulate loads and can prevent sample contamination. In addition, different types of glass fiber filters are suitable for different filtration situations.

QUALITATIVE FILTER PAPERS

Qualitative filter papers are widely used for routine separations. The wide variety of grades provides a great choice of particle retention and filtration speed alternatives. Qualitative filter papers are manufactured from top-quality raw materials to ensure consistent and reliable filtration.

Application

Qualitative filter papers are majorly used in

Laboratory	Industry
Analytical Lab	Food & Beverage
Chemistry and General Lab	Agriculture
Water Testing	Soil
Biotech	Seed
Microbiology	Pollution Monitoring
	Pharmaceutical

Product Details

100R AXIVA - QUALITATIVE FILTER PAPERS R SERIES- 11 µm

Research Grade (Closely similar to grade 1)

Composition

Axibio filter paper is made of highly ultrafine cellulose fibers.



Technical Specification

Basis Weight	:	85 – 87 gsm
Retention	:	Medium Crystalline
Filter Speed	:	Medium Fast
pH Resolution	:	Very Low
Wet Strength	:	High
Ash Content	:	<0.1%

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/ Box
100090 R	Circle	90 mm	100	1
100110 R	Circle	110 mm	100	1
100125 R	Circle	125 mm	100	1
100125 RB	Circle	125 mm	100	50
100150 R	Circle	150 mm	100	1
100185 R	Circle	185 mm	100	1
100240 R	Circle	240 mm	100	1
100320 R	Circle	320 mm	100	1
100465 R	Sheet	460 x570 mm	100	5
100457 R	Sheet	460 x 570 mm	500	3

1001W AXIVA - QUALITATIVE FILTER PAPERS WITH HIGHER WET STRENGTH – 11 µm

(Closely similar to grade 1)

Composition

AxiBio filter paper is made of highly ultrafine cellulose fibers.



Technical specification

Basis Weight	:	93 - 95 gsm
Retention	:	Medium Crystalline
Filter Speed	:	Medium Fast
pH Resolution	:	Very Low
Wet Strength	:	High
Ash Content	:	<0.06%
Thickness	:	180 µm

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/ Box
1001090 W	Circle	90 mm	100	1
1001110 W	Circle	110 mm	100	1
1001125 W	Circle	125 mm	100	1
1001150 W	Circle	150 mm	100	1
1001465 W	Sheet	460 x570 mm	100	5
1001457 W	Sheet	460 x 570 mm	500	3

102R AXIVA - QUALITATIVE FILTER PAPERS R SERIES -8 µm

Research Grade (Closely similar to grade 2)

Composition

Made of highly ultrafine cellulose fibers



Technical specification

Basis Weight	:	97 gsm
Retention	:	Medium Crystalline
Filter Speed	:	Medium Fast
pH Resolution	:	Very Low
Wet Strength	:	High
Ash Content	:	<0.06%
Thickness	:	190 µm

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
102125 R	Circle	125 mm	100	1
102465 R	Sheet	460 x 570 mm	100	1

**103R AXIVA - QUALITATIVE FILTER PAPERS
R SERIES -6 µm**

Research Grade (Closely similar to grade 3)

Composition

Made of highly ultrafine cellulose fibers.



Technical specification

Basis Weight	:	185 gsm
Retention	:	Medium Crystalline
Filter Speed	:	Slow
pH Resolution	:	Very Low
Wet Strength	:	Medium
Ash Content	:	<0.06%
Thickness	:	390-400 µm

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
103125 R	Circle	125 mm	100	1
103465 R	Sheet	460 x 570 mm	100	1

**104R AXIVA - QUALITATIVE FILTER PAPERS
R SERIES -25 µm**

Research Grade (Closely similar to Grade 4)

Composition

Made of highly ultrafine cellulose fibers



Technical specification

Basis Weight	:	90 gsm
Retention	:	Medium Crystalline/ Gelatinous
Filter Speed	:	Fast
pH Resolution	:	Very Low
Wet Strength	:	High
Ash Content	:	<0.06%
Thickness	:	200 µm

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
104110 R	Circle	110 mm	100	1
104125 R	Circle	125 mm	100	1
104150 R	Circle	150 mm	100	1
104465 R	Sheet	460 x570 mm	100	1

**105R AXIVA - QUALITATIVE FILTER PAPERS
R SERIES -2.5 µm**

Research Grade (Closely similar to Grade 5)

Composition

Made of highly ultrafine cellulose fibers



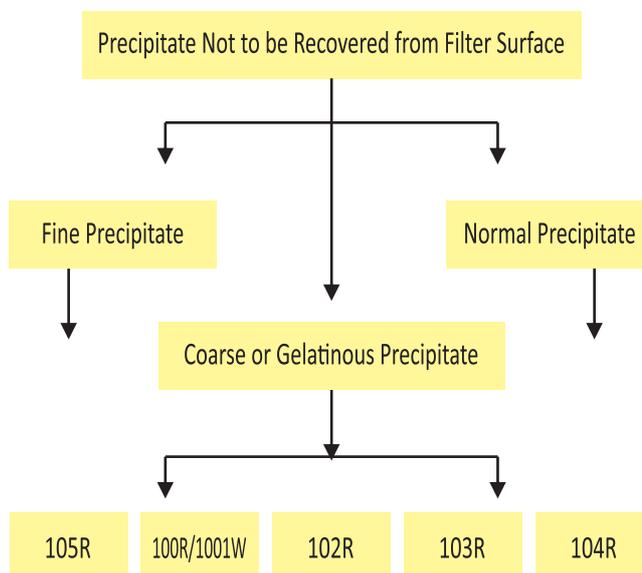
Technical specification

Basis Weight	:	100 gsm
Retention	:	Medium Crystalline/ Gelatinous
Filter Speed	:	Medium
pH Resolution	:	Very Low
Wet Strength	:	Medium
Ash Content	:	<0.06%
Thickness	:	198 to 200 µm

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
105110 R	Circle	110 mm	100	1
105125 R	Circle	125 mm	100	1
105150 R	Circle	150 mm	100	1
105465 R	Sheet	460 x570 mm	100	1

GUIDE TO SELECT QUALITATIVE FILTER PAPER



QUANTITATIVE FILTER PAPERS

Quantitative filter papers are ideal for gravimetric analysis. AxiBio quantitative filter papers are made from pure alpha cotton cellulose and double acid washed and then rinsed with ultra-pure water to neutralize with the ash content of less than 0.007% and the minimum impurity dissolution rate. These ashless filter papers are good for gravimetric analysis and the preparation of samples for instrumental analysis.

We adhere to strict quality control standards ensuring uniform performance, high quality, and consistency. This Ashless filter paper is suitable for a wide range of critical gravimetric analytical filtration procedures.

Application

Quantitative filter papers are majorly used in

GRADE	LABORATORY	INDUSTRY
Quantitative (Ashless) Filter Paper 5 to 10μm	Analytical Chemistry & general lab Biotech Air monitoring	Cement steel & metal Soil Food & beverage Pollution
Quantitative (Ashless) Filter Paper >15μm	Analytical chemistry & general lab air monitoring	Pharmaceutical Pollution monitoring
Quantitative (Ashless) Filter Paper <10μm	Analytical chemistry & general lab	Pollution Food & beverage
Quantitative (Ashless) Filter Paper <5μm	Analytical chemistry & general lab	Diagnostic Food & Beverage Pharmaceutical
Quantitative hardened (Ashless) Filter Paper 22μm	Analytical chemistry & general lab	Food & Beverage Cement Steel & metal

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
410090R	Circle	90 mm	100	5
410110R	Circle	110 mm	100	5
410125R	Circle	125 mm	100	5
410150R	Circle	150 mm	100	5
410185R	Circle	185 mm	100	5
410465R	Sheet	460 x570 mm	100	5

420R AXIVA - QUANTITATIVE FILTER PAPERS – R SERIES; 2.5 μ m

Closely similar to Grade 42

Composition

Made of highly ultrafine cotton linters with an alpha Cellulose content of 98%



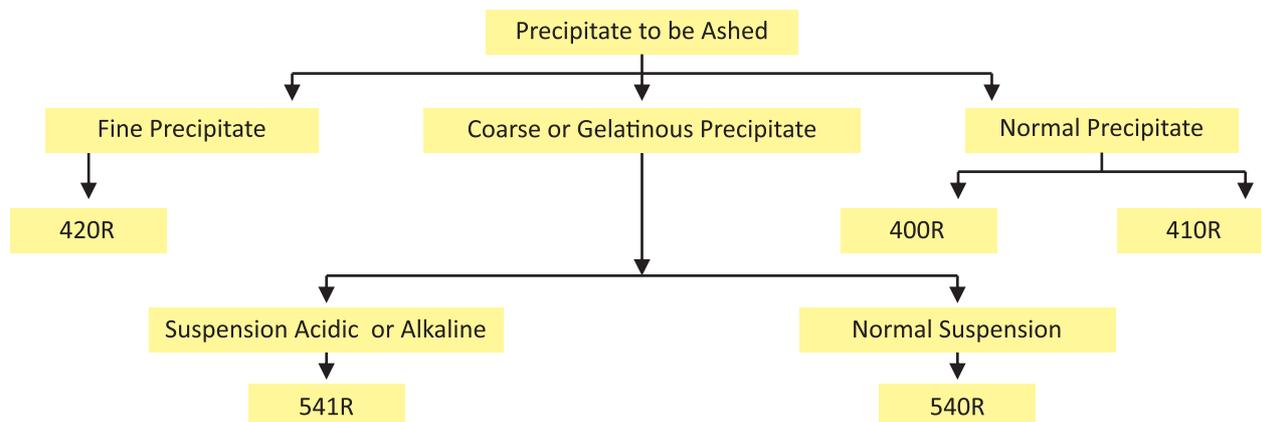
Technical specification

Basis Weight	: 90-100 gsm
Retention	: Medium Crystalline (<10 μ m)
Filter Speed	: Slow
pH Resolution	: 6.5 – 7 pH
Wet Strength	: High
Ash Content	: <0.007%
Thickness	: 200 μ m

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
420055R	Circle	90 mm	100	5
420090R	Circle	110 mm	100	5
420110R	Circle	125 mm	100	5
420125R	Circle	150 mm	100	5
420150R	Circle	185 mm	100	5
420465R	Sheet	460 x570 mm	100	3

GUIDE TO SELECT QUANTITATIVE FILTER PAPER



Product Details

400R AXIVA - QUANTITATIVE FILTER PAPERS – R SERIES; 8µm

Closely similar to Grade 40

Composition

Made of highly ultrafine cotton linters.



Technical specification

Basis Weight	:	90 - 95 gsm
Retention	:	Medium crystalline (5 – 10 µm)
Filter Speed	:	Medium
pH Resolution	:	Very Low
Wet Strength	:	High
Ash Content	:	<0.007%
Thickness	:	210 µm

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
400012R	Circle	12.7 mm	1000	5
400070R	Circle	70 mm	100	5
400090R	Circle	90 mm	100	5
400110R	Circle	110 mm	100	5
400125R	Circle	125 mm	100	5
400150R	Circle	150 mm	100	1
400465R	Sheet	460 x570 mm	100	5

410R AXIVA - QUALITATIVE FILTER PAPERS – R SERIES; 20-25 µm

Closely similar to Grade 41

Composition

Made of highly ultrafine cotton linters with an alpha Cellulose content of 95%



Technical specification

Basis Weight	:	80 – 90 gsm
Retention	:	Crystalline (>15 µm)
Filter Speed	:	Fast
pH Resolution	:	Very Low
Wet Strength	:	High
Ash Content	:	<0.007%
Thickness	:	190-250 µm

540R AXIVA - QUALITATIVE FILTER PAPERS – R SERIES; 2.7 µm

Closely similar to Grade 54

Composition

Made of highly ultrafine cotton linters with an alpha Cellulose content of 95%



Technical specification

Basis Weight	:	95 - 97 gsm
Retention	:	<5 µm
Filter Speed	:	Slow
pH Resolution	:	6.5 – 7 pH
Wet Strength	:	High
Ash Content	:	<0.007%
Thickness	:	110 - 130 µm

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
540110R	Circle	110 mm	100	5
540125R	Circle	125 mm	100	5
540150R	Circle	150 mm	100	5

541R AXIVA - QUALITATIVE FILTER PAPERS – R SERIES; 22 µm

Closely similar to Grade 541

Composition

Made of highly ultrafine cotton linters with an alpha Cellulose content of 95%



Technical specification

Basis Weight	:	95 - 97 gsm
Retention	:	<20 – 25 µm
Filter Speed	:	Fast
pH Resolution	:	6.5 – 7 pH
Wet Strength	:	Very High
Ash Content	:	<0.007%
Thickness	:	110 - 130 µm

Ordering Information

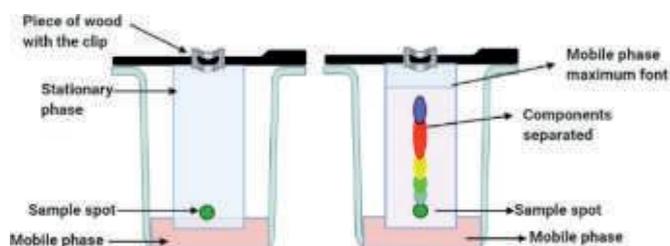
Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
541110R	Circle	110 mm	100	5
541125R	Circle	125 mm	100	5
541150R	Circle	150 mm	100	5
541465R	Sheet	460 x570 mm	100	5

CHROMATOGRAPHY PAPER

WHAT IS CHROMATOGRAPHY?

Paper chromatography, in analytical chemistry, is the technique for separating dissolved chemical substances by taking advantage of their different rates of migration across sheets of paper.

Paper chromatography has become standard practice for the separation of complex mixtures of amino acids, peptides, carbohydrates, steroids, purines, and a long list of simple organic compounds. Inorganic ions can also readily be separated on paper. Compare thin-layer chromatography.



The paper is initially impregnated with some suitable solvent to create a stationary liquid phase. An edge of the paper close to the test spot is then immersed in another solvent in which the components of the mixture are soluble in varying degrees. The solvent penetrates the paper by capillary action and, in passing over the sample spot, carries along with it the various components of the sample. The components move with the flowing solvent at velocities that are dependent on their solubilities in the stationary and flowing solvents. Separation of the components is brought about if there are differences in their relative solubilities in the two solvents.

Application

Chromatography papers are majorly used in

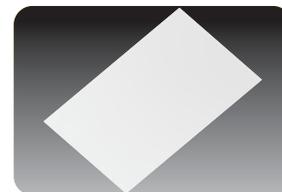
GRADE	LABORATORY	INDUSTRY
Chromatography Papers (1CHR & 3CHR)	Analytical Biotech Biochemical	Agriculture Food & beverage Pharmaceuticals

Product Details

AXIVA – CHROMATOGRAPHY PAPERS -R SERIES

Closely similar to Grade-1CHR

High-quality papers are carefully tested for spot formation, capillary action, water flow rate, and absorption speed to assure uniformity and reproducibility. Better resolution with a slower flow rate.



Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/ Box
111046R	Sheet	460 x 570 mm	100	5
111040R	Sheet	400 x 400 mm	100	5

THICK CHROMATOGRAPHY PAPERS

Closely similar to Grade-3CHR

High-quality papers are carefully tested for spot formation, capillary action, water flow rate, and absorption speed to assure uniformity and reproducibility. Better resolution with a slower flow rate.

These papers are having a double thickness to generate very high wet strength



Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
111465T	Sheet	460 x 570 mm	100	1

SEED TEST PAPER (GERMINATION PAPER)

What is seed testing:

The science of seed testing is the science of evaluating the planting value of the seeds. Seed testing helps to assess the quality attributes of the seed lots which have to be offered for sale and minimize the risk of planting low-quality seeds.

Product Details

AXIVA SEED TESTING (GERMINATION) PAPER

AxiBio Seed Testing papers are ideal for maintaining the optimum moisture content to give the best solution for determining the germination capability of seeds according to the ISTA (International Seed Testing Association) protocols.



Papers made of pure cellulose are sufficiently strong for the test and do not contain any substances which could influence the growth of seeding.

These papers are wet strengthened, having a pH between 6.0 to 7.5.

Technical specification

Basis Weight	:	135 gsm
Surface Type	:	Creped
Color	:	Brown
pH Resolution	:	6.0 – 7.5 pH
Wet Strength	:	Normal

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
AXST-1	Sheet	460 x 285 mm	100	
SGP-25	Sheet	461 x 285 mm	25 KG	

GLASS FIBRE FILTERS

Glass Fiber Filters are composed of pure borosilicate fibers, with or without an organic resin binder.

Axiva Scichem Biotech Glass Fiber Filters are available in a variety of nominal pore size ratings and flow rates, to suit a wide range of applications. The purity of glass filters is dictated by the presence of binder material that acts as a strengthening agent and aids in holding the fibers together. Binderless Glass Fiber Filters offer high purity and exceptional thermal/chemical resistance. Glass filters with organic resin binder have limited resistance, but offer improved wet strength and reduced potential for fiber shedding. Axiva specialized in binder-free glass fiber filters. The binder-free glass fiber filter offers fine particle retention, a high flow rate, and good loading capacity.

Due to their superior throughput compared to other fiber filters, Glass Fiber Filters are typically used in the removal of sediment and coarse particulate. High flow rates enable the ideal to use in a variety of sample clean-up, pre-filtration, and analytical testing applications.

Application

Glass Fibre Filters are majorly used in

GRADE	LABORATORY	INDUSTRY
Glass Fibre Filters GF/1F-1.6µm (GF/A)	Water testing Air Testing Analytical Biotech	Food & Beverage Pollution Agriculture Pharama Diagnostic
Glass Fibre Filters GF/4F-2.7µm (GF/D)		Cement Soi
Glass Fibre Filters GF/5F-0.7µm (GF/F)	Biotech	Pharmaceutical Food & beverage Diagnostic Medical

Product Details

GLASS FIBRE FILTERS GF/1F – 1.6 µm

Closely similar to Grade GF/A

Composition

Axiva glass fiber filters are made of 100% borosilicate glass fiber that is 100% binder free i.e. chemically inert.

Ideal for Air Sampling.



Technical specification

DOP Retention	:	99.9%
Maximum Temperature	:	500 °C
Bonding agent	:	None
Thickness	:	250 – 260 µm
Basic Weight	:	50 – 56 gsm
Air Flow	:	Above 4.3sec/100 ml/ inch ²

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
130810	Sheet	203 x 254 mm	100	1
130810B	Sheet	203 x 254 mm	100	10
130025	Circle	25 mm	100	1
130037	Circle	37 mm	100	1
130042	Circle	42.5 mm	100	1
130047	Circle	47 mm	100	1
130047B	Circle	47 mm	100	10
130051	Circle	51 mm	100	1
130055	Circle	55 mm	100	1
130070	Circle	70 mm	100	1
130090	Circle	90 mm	100	1
130110	Circle	110 mm	100	1
130125	Circle	125 mm	100	1
130150	Circle	150 mm	100	1

Product Details

GLASS FIBRE FILTERS GF/3F – 1.2 µm

Closely similar to Grade GF/C

Composition

Axiva glass fiber filters are made of 100% borosilicate glass fiber that is 100% binder free i.e. chemically inert.

Ideal for LSC Technique & Cell harvesting



Technical specification

DOP Retention	:	99.9%
Maximum Temperature	:	500 °C
Bonding agent	:	None
Thickness	:	260 – 265 µm
Basic Weight	:	50 – 56 gsm
Air Flow	:	Above 6.6sec/100 ml/ inch ²

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
133102	Strip	102 x 254 mm	50	1
133025	Circle	25 mm	100	1
133047	Circle	47 mm	100	1
133055	Circle	55 mm	100	1
133070	Circle	70 mm	100	1
133090	Circle	90 mm	100	1
133110	Circle	110 mm	100	1
133125	Circle	125 mm	100	1
133150	Circle	150 mm	100	1
133465	Sheet	460 x 570 mm	100	1

GLASS FIBRE FILTERS GF/4F – 2.7 µm

Closely similar to Grade GF/D

Composition

Axiva glass fiber filters are made of 100% borosilicate glass fiber that is 100% binder free i.e. chemically inert.



Ideal for prefiltration of heavy loads of large-sized particulates.

Technical specification

DOP Retention	:	99.9%
Maximum Temperature	:	500 °C
Bonding agent	:	None
Thickness	:	640 – 660 µm
Basic Weight	:	120 – 125 gsm
Air Flow	:	Above 2.5sec/100 ml/ inch ²

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
129025	Circle	25 mm	100	1
130810B	Circle	47 mm	100	1
130025	Circle	90 mm	50	1

GLASS FIBRE FILTERS GF/5F – 0.7 µm

Closely similar to Grade GF/F

Composition

Axiva glass fiber filters are made of 100% borosilicate glass fiber that is 100% binder free i.e. chemically inert.



Ideal for collection of IgC or other very fine protein precipitates, clarifying chemically aggressive solution, TCLP (EPA method 1311)- use with KST 142.

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
129025	Circle	25 mm	100	1
130810B	Circle	47 mm	100	1
130025	Circle	90 mm	50	1

EXTRACTION THIMBLES

Extraction Thimbles are majorly used in Soxhlet Extractors to retain solid particles.

A Soxhlet extractor is a piece of laboratory apparatus invented in 1879 by Franz von Soxhlet. It was originally designed for the extraction of a lipid from a solid material. Typically, Soxhlet extraction is used when the desired compound has limited solubility in a solvent, and the impurity is insoluble in that solvent. It allows for unmonitored and unmanaged operation while efficiently recycling a small amount of solvent to dissolve a larger amount of material.

Product Details

GLASS FIBER THIMBLES



Composition

Axiva glass fiber thimbles are made of 100% borosilicate glass fibre that are 100% free of binding free agent & chemically inert.

Ideal for use in Soxhlet extractor and for dust samples.

Technical specification

DOP Retention (@0.3 µm)	:	99.9%
Maximum Temperature	:	500°C
Wall Thickness	:	2 mm

Ordering Information

Cat No.	Size I.D x Ext. L.	Qty /Pkt
131990	19 x 90 mm	25
132510	25 x 100 mm	25

“99 percent of the global population breathes unclean air”

Particulate Matter or PM_{2.5} poses the greatest health threat and is often used as a metric in legal air quality standards.

On Inhaling, PM_{2.5} gets absorbed deep into the bloodstream and is linked to illnesses such as stroke, heart disease, lung disease, and cancer.



AxiBioFilters PM_{2.5} & ENV-2000 help fight the pervasive impact of pollution

Product Details

AXIVA - FILTER FOR PM_{2.5} AIR MONITORING

- ❖ Manufactured from high-purity, thin PTFE membrane.
- ❖ Chemically resistant polypropylene support ring.
- ❖ Low tare mass for accurate gravimetric determinations.
- ❖ High thermal stability
- ❖ Manufactured under clean room conditions.
- ❖ Permit sensitive, interference-free determinations.



Technical specification

Filter Media	:	PTFE
Filter Diameter	:	46.2 mm
Filter Thickness	:	40 µm
Filter Pore Size	:	2 µm
Support Ring Media	:	Polypropylene PP
Support Ring Thickness	:	0.38 mm

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
240462	Circle	46.2	50	1

ENV-2000 GLASS FIBRE FILTERS FOR AIR SAMPLING

- ❖ Manufactured from 100% Borosilicate Glass fiber that is 100% binder free.
- ❖ Chemically inert.
- ❖ High thermal stability
- ❖ Manufactured under clean room conditions.
- ❖ Permit sensitive, interference-free determinations.



Technical specification

Filter Media	:	100% Borosilicate
Basic weight	:	85 gsm
Filter Thickness	:	450 µm
Filter Pore Size	:	<2 µm
Air Flow Resistance	:	5.5(s)/100ml/inch ²

Ordering Information

Cat No.	Shape	Size/ Dia mm	Qty /Pkt	Pkt/Box
135047	Circle	46.2	100	1
135203	Sheet	203 x 254	100	1

Helping Pollution Control Boards, India in regulating Pollution



FILTRATION SOLUTION FOR EVERY LABORATORY

General Instructions



Certificate of Excellence



Certified Company



Class Manufacturing Facility



Consult Instructions for Use



Consult Instructions for Use



AXIVA SICHEM BIOTECH



420, EPIP, Phase-3, HSIIDC Industrial Estate Kundali-131028 (Haryana)



507, 5th Floor, RG Trade Tower, Netaji Subhash Place, Delhi-110034

✉ mkt2@axibio.co.in

🌐 www.axibio.co.in

☎ 011-40578224,25



AXIBIO

A Guide to **MICROBIOLOGY** Essentials

AXIBIO- PETRI DISHES

Transparency

Offer Optical clarity, allowing easy observation and analysis of samples under a microscope or under ambient lighting.

Sterility

Available in Gamma and ETO Sterile suitable for microbiological applications where contamination risks must be minimized.

Material Composition

Manufactured using polystyrene, a thermoplastic polymer known for its transparency, rigidity, and inertness.

Stackability

Designed with stackable features, enabling efficient storage and organization in the laboratory setting.

Surface Flatness

Providing a stable platform for agar and sample deposition, ensuring even distribution and growth of microorganisms

Dimensional Consistency

Manufactured to precise dimensions, ensuring uniformity in size and shape across batches for consistent experimental conditions.



Available Variants



Compartment	0	2 Compartment	3 Compartment
Sizes	35 mm	90 mm	90 mm
	60 mm		
	90 mm		
	100 mm		
	150 mm		
Packing type	Bulk		
	Individually Wrapped		
	Single Wrapped		
	Double Wrapped		
	Tripple Wrapped		

MANUFACTURED IN STATE OF ART FACILITY COMPLYING ISO STANDARDS

SOFTLOOP/ INNOCULATION LOOP, HIPS

Smooth Surface

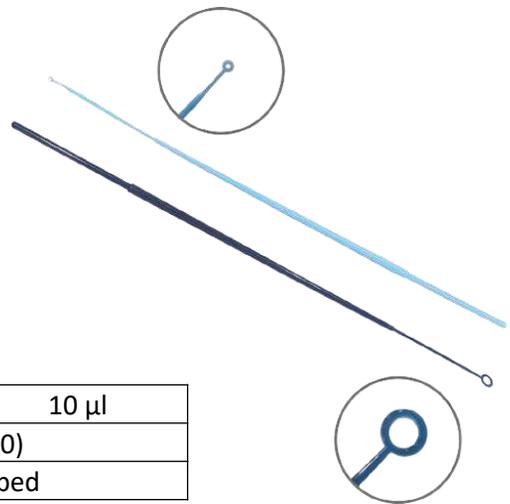
Provides uniform and gentle streaking

Polygonal Grip

Improved grip for easy operation

Dual use Design

Option to choose from needle or loop side.



Available Variants

Size	1 μ l	10 μ l
Packing Type	Bulk (Pouch of 10)	
	Individually wrapped	

L SHAPED SPREADER, PP

Smooth Surface

Provides uniform and gentle OPERATION

Material composition

Manufactured from Polypropylene.

User friendly Design

Allows easy and smooth operations in petri dishes.

Sterility

GAMMA sterile complying SAL 10^{-6} .



BIOHAZARD & AUTOCLAVABLE BAGS

	Biohazard Bag	Autoclavable Bag
Material Composition	Polypropylene	
Working Temperature	135 °C	121 °C
Sizes	12 X 18 INCH	8 X 12 INCH
	12 X 24 INCH	12 X 24 INCH
	19 X 25 INCH	16 X 18 INCH
	24 X 36 INCH	19 X 25 INCH
		24 X 36 INCH
Colours	Red, Yellow & Clear	Clear
Application	Disposing of biological hazardous waste	Autoclaving of Laboratory consumables and Laboratory waste



UNSTIRRED WATER BATHS

Grant's unstirred water bath range gives you advanced technology benefits, with digital control at your fingertips. The new generation of water baths feature Set and Forget™ technology. Designed for safety and ease of use. Most models come with a base tray and lid*. Available in a choice of sizes and temperature ranges, to help make your everyday laboratory work easier.

* lids for the JBA models are sold separately.

TEMPERATURE RANGE	amb +5 to 95°C	amb +5 to 99°C
STABILITY	±0.5°C	±0.2°C
TANK OPTIONS	12, 18 & 26 L	2, 5, 12, 18, 26, 34 L



JB NOVA

SUB AQUA PRO



MICRO PIPETTE TIPS

Universal design

Designed to make it compatible with all pipettors.

Material composition

Manufactured from Medical Grade Virgin Polypropylene.

Low Retention Tips

Minimum Retention for maximum recovery.

Filter Tips

PE Filters to prevent aerosols and contamination during pipetting.



Variants	Universal Micro Pipette Tips	Low retention Micro Tips	Filter Tips	Low Retention Filter Tips
Volume (µl)	10, 10 XL, 20, 200, 1000, 5000, 10000			
Packing types	Bulk, Racked, Individually wrapped			
Sterility	Non- Sterile and GAMMA Sterile			

For More Information, Contact us

AXIVA SICHEM BIOTECH



420, EPIP, Phase-3, HSIIDC Industrial Estate Kundali-131028 (Haryana)



507, 5th Floor, RG Trade Tower, Netaji Subhash Place, Delhi-110034



www.axibio.co.in



011-40578224,25



mkt2@axibio.co.in



BENCHTOP INSTRUMENTS

Elevate your scientific pursuits with our high-performance solutions, meticulously designed to meet the demands of varied fields. Explore the comprehensive spectrum of our scientific product ranges encapsulated in our product overview. Imbued with advanced features, our products are engineered to excel across diverse applications, tailored for academia, research, industry, food & beverage, pharmaceuticals, biotechnology, and beyond.

Embark on a journey to bring your concepts to fruition with us. From the inception of your inquiry to the final delivery of your bespoke product, we stand as your collaborative partner, dedicated to transforming your ideas into reality. Our adept project team possesses intricate knowledge and vast experience in precision thermal control, heating and refrigeration, coupled with expertise in data acquisition, analysis, and communication spanning diverse markets and industries.

Committed to excellence, we uphold stringent quality standards, ensuring ISO compliance as a testament to our dedication to customer satisfaction. We are your trusted guides through the custom process. Embrace our personalized project management approach, and let us deliver the tailored solution that aligns perfectly with your unique needs.

Brands we Offer



UNSTIRRED WATER BATHS

Grant's unstirred water bath range gives you advanced technology benefits, with digital control at your fingertips. The new generation of water baths feature Set and Forget™ technology. Designed for safety and ease of use. Most models come with a base tray and lid*. Available in a choice of sizes and temperature ranges, to help make your everyday laboratory work easier.

* lids for the JBA models are sold separately.



JB NOVA

SUB AQUA PRO



TEMPERATURE RANGE	amb +5 to 95°C	amb +5 to 99°C
STABILITY	±0.5°C	±0.2°C
TANK OPTIONS	12, 18 & 26 L	2, 5, 12, 18, 26, 34 L

HEATED CIRCULATING BATHS

The heated circulating bath product portfolio comes packed full of features and optional accessories. Available as a combined controller and tank system or as single units. A T-Clamp allows the heated circulator to attach to a vertically sided tank. Additional accessories include polypropylene balls and lids. Or opt for cooling accessories, as illustrated below.



TX150



TEMPERATURE RANGE	amb +5 to 150°C
STABILITY	±0.01°C
TANK OPTIONS	5*, 12, 18, 26, 38L / custom options available
INTEGRAL PUMP	✓

SHAKING BATH

Grant's world renowned shaking bath product range gives you high precision temperature control at the touch of button. The series gives you the robustness and reliability you need, together with patented orbital and linear shaking technology for the ultimate in consistency

and quiet operation. Comes complete with a universal spring tray and lid. Add additional accessories trays for flasks and tubes as needed.



LSB12

LSB18

OLS26



TEMPERATURE RANGE	amb +5 to 99°C	amb +5 to 99°C
STABILITY @ 70°C	±0.1°C	
TANK SIZE	12L	18L 26L
SPEED	20 to 200 rpm (depending on load)	
DIRECTION	Linear Orbital & Linear	

* 0 to 99°C with accessory cooling

ULTRASONIC BATH

Grant's series of high-performance ultrasonic bath offers fast, safe, cost-effective benefits, combined with ultrasonic LEAP technology for precise control across a range of scientific and laboratory applications. Comes complete with lid, basket and cleaning solution. A drain valve on the digital XUB range is built in the back for safe emptying.



KUBA SERIES

KUB SERIES



CAPACITY	1.5 to 2.5 L	4.5 to 25 L
ULTRASONIC POWER	35w	100w to 400w
HEATED	XUBA3 only	✓
MAXIMUM HEATING CAPACITY	amb +5 to 70°C	amb +5 to 70°C

XUBA3 only

DENSITOMETERS

Neat, efficient and compact benchtop densitometers used for measuring turbidity of cell suspensions for life science applications. Ideal for use on the bench, in cold rooms, incubators and workstations. The DEN-1B is mains or battery operated, perfect for remote areas.



DEN-1

DEN-1B

DEN-600



LIGHT SOURCE	LED		
WAVELENGTH	565 ± 10 nm		600 ± 10 nm
RANGE (MacFarland)	0.30 to 15.00	0.0 to 15.00	0.0 to 16.00
RANGE (Absorbance Unit)	–	–	0 to 3.00
TUBE DIAMETER	12, 16, 18 mm		Universal (up to 18 mm) and cuvettes

DRY BLOCK HEATERS

The dry block heater series gives you a choice of high-quality solutions, with digital temperature control for optimal precision. Choose from a wide range of standard and custom blocks for added flexibility, sold separately. The AX-DB and BTDS accommodate standard blocks for test tubes, microtubes and microplates or the blocks can be customized to meet your more specific needs. The BTDS has a fixed block that works for three different microtube sizes



BTDS Series

AX-DB-60

AX-DB-120



TEMPERATURE	amb +5 to 400°C	amb +5 to 60°C	amb +5 to 120°C
STABILITY @ 37°C	±0.5°C	±0.3°C	±0.5°C
CAPACITY	38 x Ø1 mm, 22 x Ø26mm Custom blocks available	5ml×30+10ml×8pcs	Various Blocks

TURBOCYCLER

TurboCycler thermal cycler is designed specifically to enhance PCR efficiency and accuracy. It is equipped with a 7" sensitive touchscreen and a friendly graphic user interface, which makes operation highly intuitive. With flexible ramp rate and gradient temperature control, TurboCycler 2 greatly increases PCR accurate optimization. The Wi-Fi function enables you to monitor the PCR run status anytime remotely with walk-away convenience.

BLUE-RAY
BIOTECH



TurboCycler2

TurboCycler Lite



HEATING RATE	5.5°C/Sec	3.0°C/Sec
COOLING RATE	3.3°C/Sec	2.0°C/Sec
UNIFORMITY	± 0.3 nm	± 0.5 nm
GRADIENT TEMP. DIFFERENCE	Max Span 30°C	Max Span 24°C

LIVE CELL IMAGING SYSTEM

EzScope 101 is a dedicated live cell imaging system that helps to streamline your research workflow with improved efficiency and productivity, no more hassles to remove cells from incubator for observation. EzScope 101 brings 24/7 measurements under precisely controlled conditions in a non-perturbing environment. You can observe the images anytime with walk-away convenience. Up to four samples can be monitoring simultaneously in a same incubator.



BLUE-RAY
BIOTECH

OPTICS	Brightfield (transmitted) with white LED
OBJECTIVE LENS	10x, 20x (optional)
CAMERA	1.3 MP CMOS Sensor
IMAGE RESOLUTION	280 x 1024 pixels
EXPORT FORMAT	Tiff (image) , AVI (video)
FIELD OF VIEW	2.6 x 2.0 mm (10x objective)
RESOLUTION	2 µm/pixel (10x objective), 1 µm/pixel (20x objective)
LIVE VIEW FRAME RATE	Up to 8 frames/second

THERMO MIX

The Thermo Mix come in heating and cooling options and a range of platforms are available for microtubes or PCR plate. Designed for reliability, performance and accuracy to give outstanding results, these versatile Thermo Mix are an ideal addition to any laboratory and application.

AXIBIO



AX-TMDB-100

AX-TMDB-110



TEMPERATURE RANGE	15 - 100 °C	-5 to 110°C
HEATING SPEED	5.5°C/min	5.5°C/min
COOLING SPEED	-	2.5°C/min
MIXING SPEED	20 – 1500 rpm	-
STABILITY @37 °C	± 0.5 °C	± 0.5 °C

ROTARY EVAPORATOR



A sophisticated solution for precise and efficient solvent evaporation in your laboratory processes. Designed with cutting-edge technology, our rotary evaporator is an indispensable tool for researchers and professionals seeking optimal distillation and concentration results. Crafted with durability in mind, our rotary evaporator is built to withstand rigorous laboratory conditions, providing consistent performance and reliability.

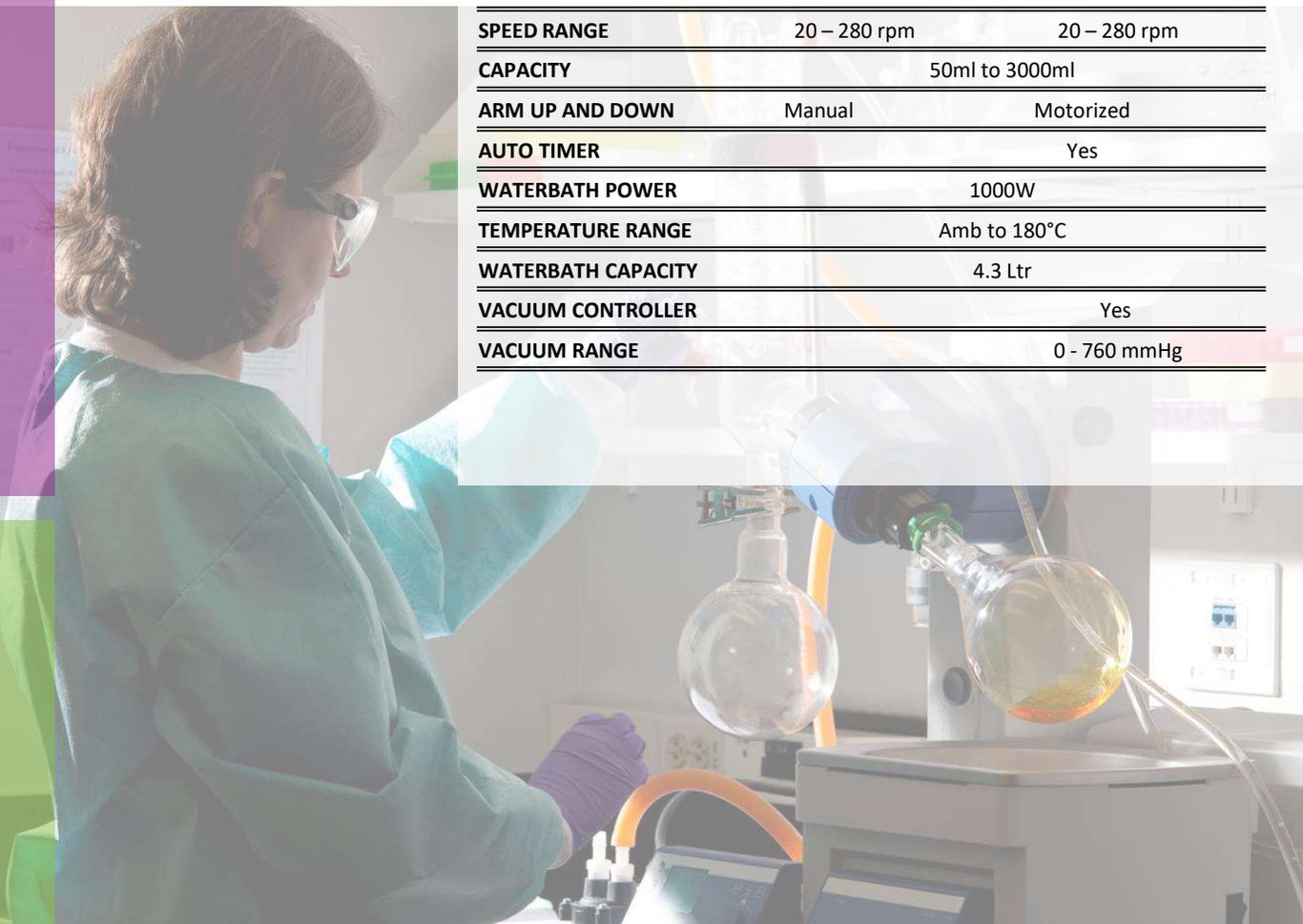
Compact yet powerful, our rotary evaporator features a robust rotating flask, condenser, and motorized lift for seamless operation. The user-friendly interface ensures ease of use, allowing for precise control over temperature and rotation speed. Its advanced features make it an ideal choice for applications such as solvent recovery, concentration of extracts, and purification of compounds.

HS-2005V-N

HS-2005V



SPEED RANGE	20 – 280 rpm	20 – 280 rpm
CAPACITY	50ml to 3000ml	
ARM UP AND DOWN	Manual	Motorized
AUTO TIMER	Yes	
WATERBATH POWER	1000W	
TEMPERATURE RANGE	Amb to 180°C	
WATERBATH CAPACITY	4.3 Ltr	
VACUUM CONTROLLER	Yes	
VACUUM RANGE	0 - 760 mmHg	



CHILLER CIRCULATOR

Crafted with utmost precision, our Chiller Circulator boasts a robust construction and state-of-the-art components, ensuring unparalleled reliability and longevity. The unit is designed to deliver precise temperature regulation, offering a temperature range that caters to the most demanding cooling requirements. Whether your application involves sensitive laboratory experiments, industrial processes, or quality control procedures, our Chiller Circulator provides a stable and controlled thermal environment, fostering optimal performance.



HS-3005

GBRC1



CAPACITY	15 L	5 L
FLOW RATE MAX	4.5 Ltr/min	16 Ltr/min
TEMPERATURE RANGE	-20°C to amb.	-20°C to +100°C
TEMPERATURE STABILITY	± 0.5 °C	± 0.1 °C

OIL FREE VACUUM PUMP

A technological marvel that redefines efficiency and environmental responsibility. Engineered for purity, this pump eliminates oil contamination, ensuring optimal performance in laboratories, research facilities, and industrial settings. With exceptional power, minimal noise, and low maintenance, it stands as a versatile solution for diverse applications. Embrace the future of vacuum technology with a pump that combines unparalleled performance with eco-conscious design..



V300

V410



MAX POWER	60W	80W
FLOW RATE MAX	17 Ltr/min	19 Ltr/min
MOTOR SPEED (RPM)	1450	1450
NOISE LEVEL (dB)	50	50

CHEMICAL RESISTANCE VACCUM PUMP

Meticulously crafted from PTFE to meet the stringent demands of corrosive environments. Engineered for durability and performance in chemical laboratories and industrial settings, this pump provides exceptional resistance to corrosive substances. With its PTFE construction, it ensures reliability, longevity, and safety in the face of challenging applications. Elevate your processes with confidence using a vacuum pump designed for resilience and precision in corrosive conditions.



AXICHEM 300

AXICHEM 410



MAX POWER	60W	95W
FLOW RATE MAX	20 Ltr/min	25 Ltr/min
MOTOR SPEED (RPM)	1450	1450
PUMP HEAD	Single Stage	Double Stage

AXIBIO

AXIVA SICHEM BIOTECH

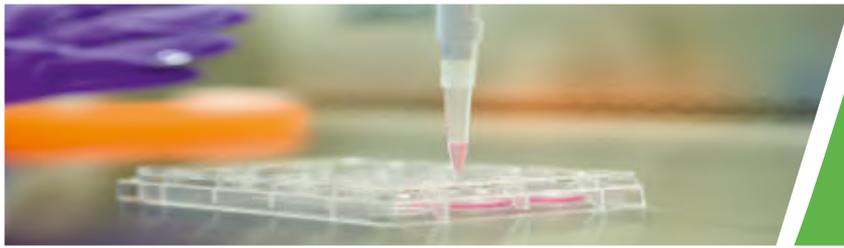
 420, EPIP, Phase-3, HSIIDC Industrial Estate Kundali-131028 (Haryana)

 507, 5th Floor, RG Trade Tower, Netaji Subhash Place, Delhi-110034

 www.axibio.co.in

 011-40578224,25

 mkt2@axibio.co.in



CELL & TISSUE CULTURE PRODUCTS

AxiBio Cell and Tissue Culture range are available in a variety of specifications and Surfaces for a broad range of cell cultures and Cell Assays. The non-treated surface dishes are suitable for suspension cell culture, while those with the TC-treated surface are suitable for common adherent cell lines due to the excellent hydrophilicity of the polystyrene surface.

For better results all Products are

- ❑ Gamma Sterile complying SAL 10⁻⁶
- ❑ DNase/RNase Free.
- ❑ Non-Pyrogenic and Non-Cytotoxic.

CELL & TISSUE CULTURE FLASKS

- ❑ Two types of caps are available.
- ❑ 0.22µm PTFE hydrophobic vent cap
- ❑ Ergonomic cap design
- ❑ Angled neck for easy access.
- ❑ Clear graduations on both sides.
- ❑ Frosted area for clear marking.
- ❑ Easy to stack.
- ❑ Engraved volume graduation marking.

Specifications

Sizes (cm²) : 25, 75, 182, 225

Cap Type: Vented and Plug Seal

Surface: Non-Treated and TC Treated

Material:

Body – Polystyrene

Cap - High-density Polyethylene (HDPE)



CELL & TISSUE CULTURE DISHES

- ❑ Gear Ring Design.
- ❑ Vented for better gas exchange.
- ❑ Protrusion on rim of lid.
- ❑ Easy to stack.
- ❑ Zip lock packing.

Specifications

Sizes (mm) : 35, 60, 100, 150

LID Type: Vented

Surface: Non-Treated and TC Treated

Material: Polystyrene



CELL & TISSUE CULTURE PLATES

- ❑ Uniform well and wall thickness
- ❑ Optically clear.
- ❑ Ergonomic Design.
- ❑ Alphanumeric identification.
- ❑ Individual Blister packing.
- ❑ Easy to stack.

Specifications

No. of wells: 6, 12, 24, 96

Well Bottom: Flat & U- Bottom

Surface: Non-Treated and TC Treated

Material: Polystyrene



CELL SCRAPER

- ❑ Two types of blades are available.
- ❑ Can be used as scraper or Lifter.
- ❑ Easy to use design.
- ❑ Ultra Thin flexible Swivel Blades
- ❑ 25cm cell scraper for T25 and T75 culture flasks, and 39cm cell scraper for higher volume flasks and bottles.

Specifications

Handle Length: 23cm and 30cm

Blade: 12mm and 20 mm

Material:

Handle – ABS

Blade - TPE



CELL STRAINER

- ❑ Made of Nylon Mesh
- ❑ Extended edge for easy handling.
- ❑ Three colors for identification.
- ❑ Suitable for 50 ml centrifuge tube
- ❑ Suitable for 225 ml conical bottles.
- ❑ Individual paper/plastic packing

Specifications

Sizes: 40µm, 70µm and 100µm

Colour: Blue, White and Yellow

Material:

Body – Polypropylene (PP)

Mesh - Nylon



SEROLOGICAL PIPETTES

- ❑ Bidirectional graduation.
- ❑ Calibrated graduation marking.
- ❑ Negative graduation.
- ❑ Different colors code for identification.
- ❑ Supply with polyolefin Filter plugs.
- ❑ Suitable Biological culture applications.
- ❑ Individual paper/plastic packing.

Specifications

Sizes(ml): 1, 2, 5, 10, 25, 50

Material:

Body – High Clarity Polystyrene)

Filter - Polyolefin



VACUUM FILTRATION SYSTEM

- ❑ Different membrane with various pore size
- ❑ Ergonomic design.
- ❑ Engraved graduation..
- ❑ Easy to use design of cup and bottles.
- ❑ Slopped hose for easy connect with vacuum system.
- ❑ Individual paper/plastic packing

Specifications

Membrane Sizes:

0.22µm and 0.45µm

Membrane type: PES

Material:

Body – Polystyrene (PS)

Capacity (ml):

250, 500, and 1000



AXIVA SICHEM BIOTECH



420, EPIP, Phase-3, HSIIDC Industrial Estate Kundali-131028 (Haryana)



507, 5th Floor, RG Trade Tower, Netaji Subhash Place, Delhi-110034

✉ mkt2@axibio.co.in

🌐 www.axibio.co.in

☎ 011-40578224,25