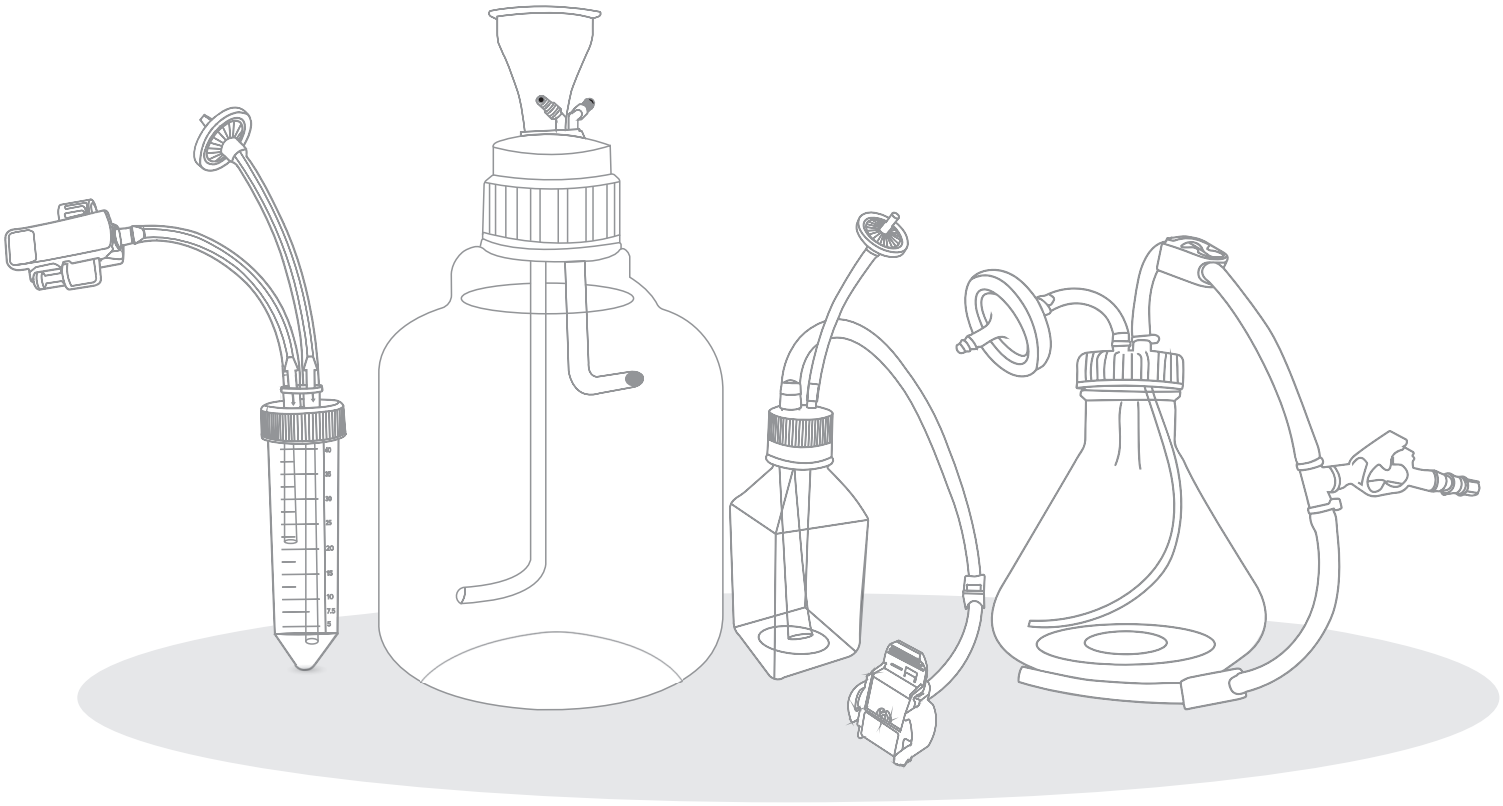
ACCUMAX



BioMax® Bioprocess Solutions

Your Vision, Our Expertise

At Accumax, we specialize in solutions that prioritize flexibility, precision, and customer-driven innovation. Our Open Architecture Manufacturing approach enables us to design and manufacture customized bioprocess solutions tailored to your exact specifications. From concept to assembly, we handle everything—empowering you with complete control over your OEM bioprocess components without the complexities of in-house manufacturing.

3 Manufacturing Sites Worldwide

Whatever your Bioprocessing needs, we make them a reality. With state-of-the-art facilities in India and Germany, Accumax is your trusted partner for single-use bioprocess assemblies, custom fluid management solutions, and high-precision components. Let's build your perfect bioprocess system—exactly the way you want it.

Built Around *You*

We seamlessly integrate with all major brands of tubing, filters, and connectors - 100% flexibility

Made for Your Process

From first trial to full-scale production, We design and deliver gamma irradiated custom assemblies that evolve with your needs

Fast-Tracked Fulfillment

Weeks, not months. Always on time.Count on swift, reliable delivery that keeps your bioprocess moving forward

Build your BioMax® Single Use Assembly

We act as an extension of your team to turn your bioprocessing vision into reality. Whether your needs are upstream or downstream, our deep industry expertise empowers us to deliver flexible, scalable solutions tailored to your exact requirements. Leveraging our extensive component library, we offer a truly open assembly process, integrating components from any brand or supplier without restrictions.

2 Manufacturing units in India & 1 in Germany

Inhouse Gamma sterilization

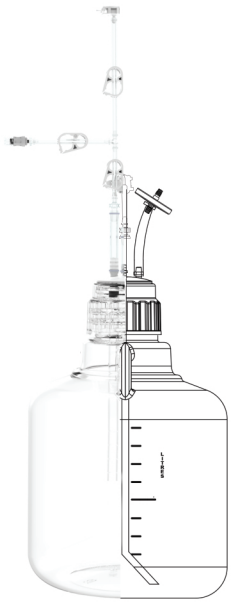
Clean Room Area (Class 7)

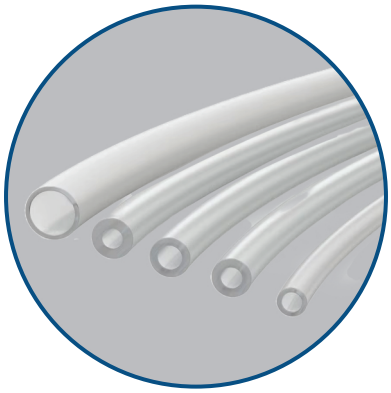
Full Lot Traceability

Choose your Containers

Choose your Connectors

Choose your Fittings





Choose your Tubings

Fully equipped Application Laboratory

Uncompromising Quality Control

BioMax Solutions

ENGINEERED FOR EXCELLENCE
BACKED BY COMPLIANCE

STERILIZATION

- ✓ In-house gamma sterilization ensuring maximum sterility
- ✓ Validated as per ISO 11137 / ISO 13004 / 11737:2 achieving SAL 10^{-6}
- ✓ Customizable dose validation – VDmax 25 or tailored to your need
- ✓ Dose mapping for validating the uniformity and accuracy of radiation dose

MATERIAL COMPLIANCE

- ✓ Manufactured using US FDA 21CFR Certified raw materials with global regulatory acceptability
- ✓ REACH & RoHS compliant: Free from hazardous substances
- ✓ Safe for sensitive processes: TSE/BSE free
- ✓ USP Class VI certified

BIOLOGICAL SAFETY

- ✓ Tested for Biological Reactivity
  - In Vitro: USP <87>
  - In Vivo: USP <88>
- ✓ Achieving Endotoxin level 0.001 EU/ml: USP <85>
- ✓ Microbial load validated with ISO 11737 bioburden testing

CHEMICAL COMPATIBILITY

- ✓ Extractables and Leachables profile as per BPOG protocols and USP <665> test standards
- ✓ Ensuring material stability for your most critical applications

FUNCTIONAL VALIDATION

- ✓ Each product undergoes a three-step verification process
- ✓ Shelf-life tested for long-term integrity
- ✓ USP <788> certified for particulate matter control

DIMENSIONAL ACCURACY

- ✓ Tolerance and dimensions checked to match customer specifications
- ✓ BOM verification ensures complete traceability
- ✓ Every part, every detail double-checked before it reaches you

SureMix® Mixing Carboy System

Hybrid Ports

2 Hybrid Ports which supports tube size of 3/8“and 1/2"HB and 1 Port of 1/4" HB for filter

Powder Funnel

Dedicated with powder inlet port of 4 inches in the cap which allow powder addition while mixing

Polypropylene material

Autoclavable and Gamma Irradiated up to 30kGy Durable, chemically resistant & ideal for sterile applications

4-Blade Impeller

Ergonomic Impeller Design that demonstrates low turbulence and less shear force and build for continuous usage.
Excellent performance for power/liquid & liquid/liquid mixing

IMAGES	DESCRIPTION	PORT DIMENSIONS
	Stirring Carboy with Powder Port Carboy MOC – PP, Cap Material – PP, Impellar Material - PEEK	2 Hybrid Ports which supports tube size of 3/8“and 1/2"HB and 1 Port of 1/4" HB for filter.
	Stirring Carboy without Powder Port Carboy MOC – PP, Cap Material – PP, Impellar Material - PEEK	
	**Stirrer-iStir 50 L/100 L/200 L** iStir 50 L Adjustable speed ranging from 100-1000 RPM iStir 100 L Adjustable speed ranging from 100-1000 RPM iStir 200 L Adjustable speed ranging from 100-600 RPM	

BioMax Solutions

SureMix® Mixing Carboy System

- Made from virgin-grade Polypropylene (PP)
- Available in 10L, 15L, 20L, 25L & 50L, with Heavy Duty options in 2L, 4L & 5L
- Ergonomic impeller design with low turbulence and homogenous mixing
- Autoclavable - Upto 5 times
- cap variants - with/without powder port
- **Sterilization:** In House Gamma-irradiated ensuring Sterility Assurance Level (SAL): 10^{-6}

Product Features

- Manufactured in Class 10K cleanroom facility
- Raw materials comply with US FDA 21 CFR and USP Class VI Certified standards
- Optional powder funnel with 4-inch inlet for powder addition during mixing, Optimized for both powder/liquid and liquid/liquid mixing
- In-house endotoxin detection capability (<0.01 EU/ml)
- Cytotoxicity tested
- RoHS compliant, BSE/TSE free
- Extractables & Leachables (E&L) tested as per BPOG guidelines & USP<665>
- Dose compendium reports and ISO 11737 microbial safety compliance
- Compatible with iStir 50L/100L/200L stirrers (adjustable 100–800 RPM).
- Designed for closed-system mixing, maintaining aseptic environment.

BioMax Carboys

- Available Volumes – 10, 15, 20, 25, 50 Ltrs
- Material Variants – PP and HDPE
- Cap Type – 83B PP Screw Cap
- Unique Sr.No. & Batch No. for traceability
- Autoclavable upto 30 times
- **Sterilization:** Inhouse Gamma irradiated to meet sterility assurance level SAL 10^{-6}

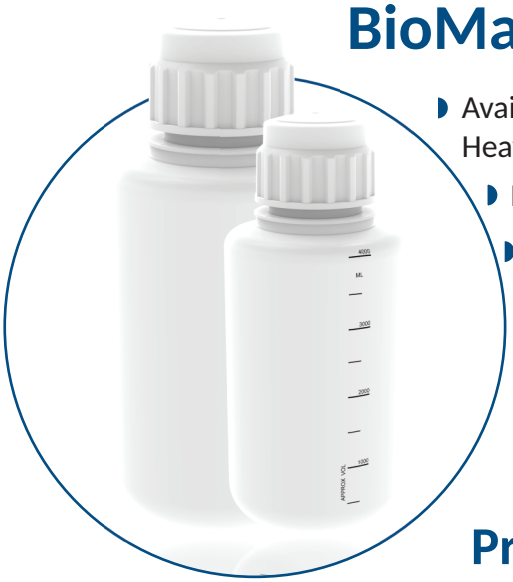
Product Features

- These carboys deliver unmatched chemical compatibility, structural integrity, and ease of use, making them an essential asset to any critical fluid handling process.
- Raw Material compliant to US FDA 21 CFR, USP Class VI Certified, BSE/TSE Free, Latex Free
- Pyrogen Free

BioMax Solutions

- Pre-washed with purified water along with regular monitoring of Endotoxins, pH, Conductivity & TOC levels as per USP <643>
- Aseptic Closures provides flexibility to customise as per your current biopharma requirement
- Laser Printed graduations, IPA, Chloroform resistant
- Compliant to USP <788>, particulate free assurance
- Compatible for Hydrostatic Pressure Filling upto 103kPa for continuous filling automation lines
- Extractables & Leachables (E&L) tested as per BPOG guidelines & USP<665>
- Dose Compendium Reports as per requirements
- Engineered for heavy-duty performance which includes multiple times autoclaving, & deep freeze storage.

BioMax Heavy Duty Reagent Bottle



- Available Volumes – 1, 2, 4, 5Ltrs
  Heavy Duty Reagent Bottles with Graduations
  - Material Variants - PP and HDPE
  - Cap Type – 53B and 83B PP Screw Cap
  - Laser Printed graduations, IPA, Chloroform resistant
  - **Sterilization:** Inhouse Gamma irradiated to meet sterility assurance level SAL 10^{-6}

Product Features

- Manufactured from USP Class VI biocompatible materials
- Compliant to USP <788>, particulate free assurance for critical application
- Leak proof sealing, protection against sealing during transport and storage
- Extractables & Leachables (E&L) tested as per BPOG guidelines & USP<665>
- Aseptic Closures provides flexibility to customise as per your current biopharma requirement
- DNase/RNase Free with inhouse testing facility
- Endotoxins/Pyrogen Free
- Raw Material compliant to US FDA 21 CFR, USP Class VI Certified, BSE/TSE Free, Latex Free

BioMax Erlenmeyer Flasks

- Scalable options - From 125 mL to 3 L for flexible volume handling across batch scales
  - Material Variants - PETG & PC
  - Bottom Variants - Flat Bottom & Baffled Bottom
  - Molded volume graduations for quick & easy visual reference
  - Excellent chemical resistance to a broad range of solvents & reagents
  - **Sterilization:** Inhouse Gamma irradiated to meet sterility assurance level SAL 10^{-6}

BioMax Solutions

Product Features

- USP Class VI certified material ensures biocompatibility
- Bottom designs: Available in plain and baffled styles across all sizes for optimal aeration and mixing.
- Manufactured in ISO Class 10K cleanroom conditions.
- Certified RNase/DNase-free, non-pyrogenic, and non-cytotoxic, endotoxin free.
- TSE/BSE compliant
- Compliant to USP <788> Particulate-free assurance for critical application.
- Extractables and Leachables Testing: Meets BPOG and USP 665 guidelines

BioMax Media Bottle

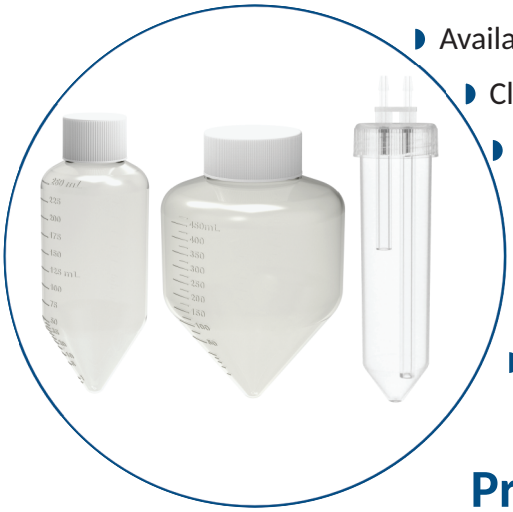
- Made from PETG/PET/PC
- Wide Range of Sizes: Available from 30 mL to 2000 mL
- Freezer-Compatible: Withstands storage temperatures down to -70°C
- PC (Polycarbonate) material - Autoclavable
- **Sterilization:** Inhouse Gamma irradiated to meet sterility assurance level SAL 10^{-6}

Product Features

- US FDA 21 CFR approved and USP Class VI compliant Raw Material
- Manufactured in ISO Class 10K cleanroom conditions
- Leakproof & Shatter-Resistant: Thick-walled design with semi-buttress threads ensures tight sealing and rugged durability
- Graduated & Ergonomic: Clear volume markings and square body design for easy handling and storage
- Allows secure fluid transfers within closed systems, enhancing sterility
- Free of Fillers, Plasticizers, and Harmful Additives
- Non-Pyrogenic, Non-Cytotoxic, RNase/ DNase-free, endotoxin free.
- TSE/BSE compliant
- USP <788> Compliance: Particulate-free assurance for critical applications

BioMax Solutions

BioMax Centrifuge Tubes & Bottles



- Available in 15,50, 250, 500ml
- Clear and large graduations on the tube body
- Can withstand temperatures from -80° to 121°C, Autoclavable
- Large writing surface on the body for easy marking and labeling on 50 ml tube
- Optional: Available with Siphon Cap
- **Sterilization:** Inhouse Gamma irradiated to meet sterility assurance level SAL 10^{-6}

Product Features

- Made from high-quality US FDA 21 CFR and USP Class VI Certified polypropylene raw material
- Manufactured in Fully Automated Class 10K Clean room facility
- DNase/RNase, Endotoxin-free, Pyrogen-free and Non-Cytotoxic
- TSE/BSE compliant
- E&L as per BPOG and USP 665 Guidelines and Dose Compendium Reports as per requirements

BioMax Single-use Bioprocess Bags

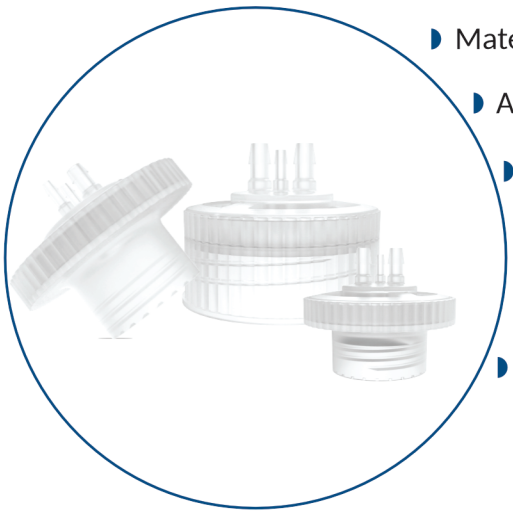
- Manufactured in ISO Class 7 cleanroom for the highest sterility and quality standards
- Certified Quality - ISO 13485 certified quality management system
- High burst strength ensures durability under demanding conditions
- 100% integrity tested with rigorous pressure leak tests for reliability
- **Sterilization:** Inhouse Gamma irradiated to meet sterility assurance level SAL 10^{-6} in compliance with ISO 11137

Product Features

- Easy inlet and outlet connections for seamless fluid transfer and setup
- Reliable & Scalable Supporting your bioprocessing needs from research to full-scale production
- 100% integrity tested and validated as per ASTM E3366
- Manufactured with Animal-Derived Component-Free (ADCF) raw materials, compliant with FDA 21 CFR Part 177-182 for indirect food additives
- Conforms to USP <87> Class VI (Biological Reactivity Test, In Vitro)
- Meets USP <88> Class VI criteria (Biological Reactivity Test, In Vivo)
- Particulate matter levels comply with USP <788> standards

BioMax Solutions

BioMax VentiPort™



- Material: Polypropylene (PP)
- Available in 3 ports, engineered to fit the variety of flasks
- Available in 38mm, 45mm, 70mm sizes
- 2 ports of 1/8" HB and 1 port of 1/4" HB & 2 ports of 1/4" HB and 1 port of 1/8" HB
- Available in PES & PTFE filter options
- **Sterilization:** Inhouse Gamma irradiated to meet sterility assurance level SAL 10^{-6}

Our patented technology VentiPort™ sets a new standard in vented cap technology, designed to provide superior gas exchange, enhanced growth conditions, and contamination-free fluid transfer. With a closed-system design, VentiPort™ minimizes contamination risks, making it the preferred choice for cell culture scale-up, buffer transfer, and pharmaceutical formulations.

Product Features

- Ergonomically Designed Cap: Ensures ease of use and handling.
- Closed System Design: Provides a sterile barrier, reducing contamination risks.
- Enhanced Growth Curve: Outperforms standard vented flasks, promoting optimal culture conditions.
- Superior Gas Exchange: Higher surface area filter enhances gas exchange efficiency.
- Higher Surface Area: Offers 2757.25 mm^2 of surface area, surpassing other vented caps in the market.
- Versatility: Available in multiple sizes and configurations, adaptable to diverse applications.

IMAGES	DESCRIPTION	VESSEL TYPE	PORT DIMENSIONS
	Ventiport™ Caps 38 mm Double Cap with filter, 3 Port, PP	Erlenmeyer Flask	2 Ports of 1/8" HB and 1 Port of 1/4"HB
	Ventiport™ Caps 45 mm Double Cap with filter, 3 Port, PP		2 Ports of 1/4" HB and 1 Port of 1/8"HB
	Ventiport™ Caps 70 mm Double Cap with filter, 3 Port, PP		2 Ports of 1/4" HB and 1 Port of 1/8"HB

BioMax Solutions

BioMax Aseptic Closures

- Material: Polypropylene (PP)
- Available in 2 & 3 ports, engineered to fit the variety of rigid containers like bottles, flasks, carboys & tubes
- Available in 2 ports for GL25,GL32,GL45 Caps for Glass Bottles
- **Sterilization:** Inhouse Gamma irradiated to meet sterility assurance level SAL 10^{-6}

BioMax Aseptic closures are engineered for sterile, leak-proof, and efficient fluid transfer, making them ideal for various laboratory and industrial applications. Their universal compatibility allows seamless integration with bottles, flasks, centrifuges, and carboys.

Product Features

- Sterility Assurance: Manufactured under strict aseptic conditions to prevent contamination.
- High-Performance Seals: Leak-proof design ensures secure and reliable fluid transfer.
- Ease of Use: Simple installation facilitates smooth operation and workflow optimization.
- Customization: Available in multiple sizes and configurations to meet diverse process and applicational needs.

IMAGES	DESCRIPTION	VESSEL TYPE	PORT DIMENSIONS
	Non-Vented cap 38-430mm with 2 port moulded, PP	Erlenmeyer Flask. Media Bottle,	1 Port of 1/4”HB and 1/8" HB each
	Non-Vented cap 45-430mm with 2 Port moulded, PP	Erlenmeyer Flask. Media Bottle,	2 Ports of 1/4" HB
	Vented cap 70-430mm with 2 port moulded, PP	Erlenmeyer Flask	2 Ports of 1/4" HB
	Non Vented Cap 53mm with 3 port, PP	Erlenmeyer Flask, Media Bottle	3 Ports of 1/4" HB

BioMax Solutions

IMAGES	DESCRIPTION	VESSEL TYPE	PORT DIMENSIONS
	Non Vented Cap 83mm with 3 port, PP	Carboys	2 Ports of 3/8" HB and 1/4" HB each
	Non Vented Cap 83mm with 3 port, PP		2 Ports of 1/2" HB and 1 Port of 1/4" HB
	GL25 cap with 2 port, PP	Glass Bottles	2 ports of 1/8" HB each
	GL32 cap with 2 port, PP	Glass Bottles	2 ports of 1/8" HB each
	GL45 cap with 2 port, PP		2 ports of 1/4" HB each
	Non Vented Cap 30mm with 2 port, PP	Centrifuge Tube	2 Ports of 1/8” HB

Bioprocess Fittings & Components

IMAGES	DESCRIPTION
	TC Clamp, 4"
	TC Clamp, 1.5"
	Pinch Clamp, 0.45 OD Tube
	Pinch Clamp, 1/4" Tube

IMAGES	DESCRIPTION
	Pinch Clamp, 3/4" Tube
	Sanitary Flange, 2"(50mm Flange to 600 Series Barb, for 1/2" (12.7 mm) Tubing, PP
	Sanitary Flange closure, 2"(50.25mm), PP

ACCUMAX

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*We also execute OEM projects. Specifications can be changed without notice for quality improvement.