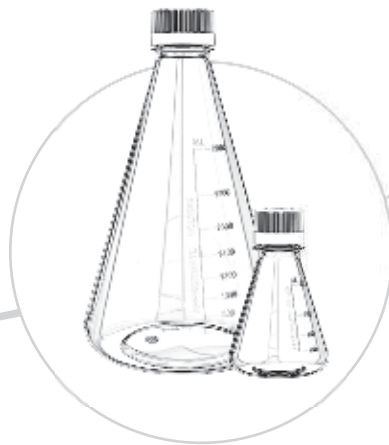
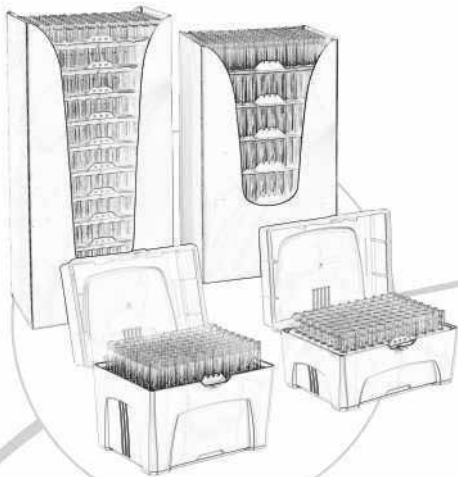
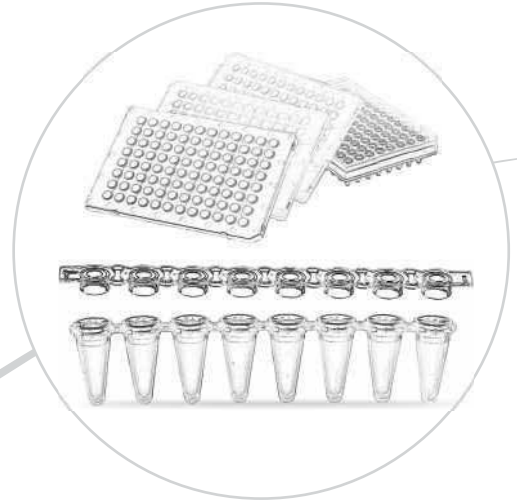
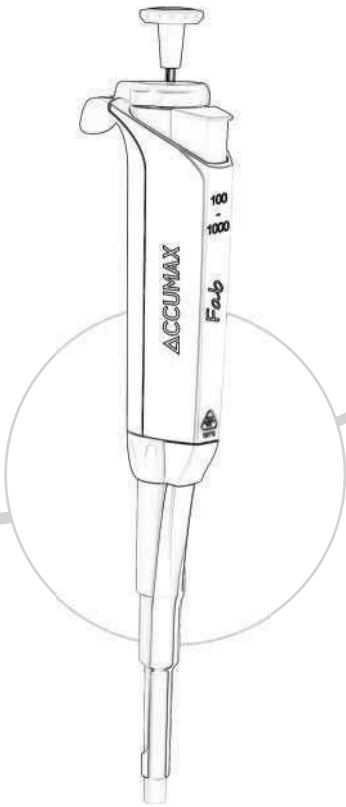
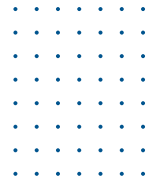




**QUALITY.**  
**PRECISION.**  
**DURABILITY.**



## Global presence in over 130 countries

Accumax Lab Devices is amongst the fastest growing manufacturers of liquid handling equipment and consumables across the world. Since our inception in 2003, we have successfully established a stellar reputation in supplying cutting-edge liquid handling products globally, with a strong focus on innovation and user-friendliness.

All our processes from designing, injection moulding, assembly, calibration to end packaging, everything happens in-house for constant monitoring and maintaining stringent quality standards. Our facilities include: Class 100K clean room production, ISO 17025 accredited calibration laboratory & R & D center.



## Making life sciences more sustainable

As an organization that highly values environment conservation and sustainability, Accumax is one of the largest manufacturers of lab consumables and equipment that are sustainable and environmentally friendly.

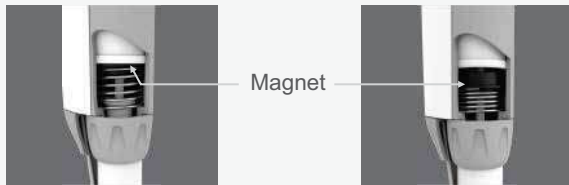
We are moving forward strategically by incorporating sustainability into every aspect of the organization. We use cutting-edge technology to ensure that our products are produced in a safe, energy-saving, and resource-efficient manner. Our state-of-the-art manufacturing facilities feature advanced technology machinery that uses less energy to produce our products and use clean energy from renewable sources, reducing CO<sub>2</sub> emissions and reliance on fossil fuels.



## ACCUMAX FAB PIPETTE

- Magnet assisted piston = high precision + reduced pipetting force
- Ergonomic design for easy pipetting operation
- Fatigue free working with convenient finger rest
- Fully autoclavable & UV resistance
- 4-digit volume counter for precise setting
- Tip ejector with built-in shock absorber for reduced thumb impact
- Corrosion-free & fully autoclavable plastic tip ejector
- Color coding for easy identification
- Easy cleaning & in-house calibration
- Calibrated in ISO 17025 (NABL) accredited laboratory  
Supplied with individual QC & calibration report according to ISO 8655-6
- Min Vol 0.1 µl & Max Vol 10,000 µl
- 3-Year warranty

Available in Variable & Fixed volumes for single channel & in 8/12 channel variants



Magnet position at first stop

Magnet position at second stop

Magnet assisted piston mechanism gives clear difference between first & second stop without using heavier spring. This assures consistent aspiration-dispensing with extremely low pipetting force.

Volume lock for prevention against accidental volume drift and consistent results

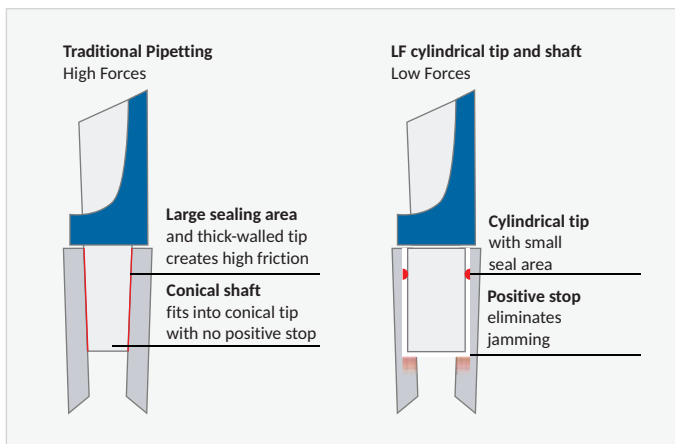


Tip ejector with built-in shock absorber for reduced thumb impact



## ACCUMAX FAB LF PIPETTE

- Solution to tired hands, because Pipetting shouldn't hurt
- The Accumax Low Force Pipette forms a light, perfect seal between the pipette and tips, making tips virtually effortless to eject
- Designed with a cylindrical shaft and tip design that provides a reliable, consistent seal without excessive force
- Experience truly effortless pipetting with one of the lowest plunge force requirement
- Magnet assisted piston for unparalleled consistency in results
- Fully autoclavable & UV resistant
- Built using high-durability material for enhanced durability and prevention against chemical as well as physical corrosion
- Total hand comfort with lower spring forces, while maintaining supreme accuracy and precision
- Secure volume lock averts accidental drift and allows easy one hand adjustment
- Min Vol 0.1  $\mu\text{l}$  & Max Vol 1000  $\mu\text{l}$
- 3 Year Warranty



The Accumax low-force pipette forms a light, perfect seal between the pipette and tips, making tips virtually effortless to eject.



Effortless low-force tip ejection and total hand comfort with lower spring forces.



## ACCUMAX ELECTRONIC PIPETTE

- Intuitive graphical interface makes it operationally easy to use
- Lightweight construction makes pipetting effortless and pain-free even after extensive usage
- Auto-sensing magnetic piston for precise pipetting
- State-of-the-art stepper motor for long lasting performance
- 5 different pipetting modes for all pipetting needs in a lab: Forward pipetting, Reverse pipetting, Multi dispensing, Mixing, Diluting
- Calibrated as per ISO 8655-6 standards in ISO 17025 accredited lab
- 3 point auto-calibration provides most accurate and precise delivery of liquid throughout the volume range
- Ultra-efficient battery allows 5 hours of continuous usage after every full recharge
- Intelligent sleep mode conserves battery when not in use
- A smart charging stand which can be used for charging or to rest the pipette when not in use
- Min vol 0.5 µl & Max vol 5,000 µl

Available in Variable volume for single channel & in 8/12 channel variants



## ACCUMAX SMART PIPETTE

- Fully autoclavable and UV resistant
- Pipette handle has coating of thermoplastic elastomer to prevent body heat transfer to internal parts during long pipetting hours for high precision
- Durable tip cone made of PVDF offers the highest resistance to physical shocks as well as to chemical corrosion and is compatible with most types of tips
- Calibrated as per ISO 8655-6 standards in ISO 17025 accredited lab
- Single hand volume lock & volume change operations
- Ergonomic design
- Min vol 0.1 µl & Max vol 10,000 µl

Available in Variable & Fixed volumes for single channel & in 8/12 channel variants.



### ACCUMAX A MECHANICAL PIPETTE

- Fully autoclavable
- Click stop counter system for convenient volume setting
- Ergonomic design ensures light weight & soft plunger movement
- Durable tip cone made of PVDF offers the highest resistance to physical shocks as well as to chemical corrosion and is compatible with most types of tips
- Calibrated as per ISO 8655-6 in ISO 17025 accredited lab
- Min vol 0.1 µl & Max vol 10,000 µl

Available in Variable & Fixed volumes for single channel & in 8/12 channel variants



### ACCUMAX PRO MECHANICAL PIPETTE

- Pipette handle has grip made of thermoplastic elastomer to prevent body heat transfer to internal parts during long pipetting hours for high precision
- Durable tip cone made of PVDF offers the highest resistance to physical shocks as well as to chemical corrosion and is compatible with most types of tips
- Click stop counter system for convenient volume setting
- Ergonomic design ensuring light weight & soft plunger movement
- Calibrated as per ISO 8655-6 in ISO 17025 accredited lab
- Autoclavable lower assembly
- Min vol 0.1 µl & Max vol 10,000 µl

Available in Variable & Fixed volumes for single channel & in 8/12 channel variants



### ACCUMAX VA-FA MECHANICAL PIPETTE

- Ergonomic design ensuring light weight & soft plunger movement
- Durable tip cone made of PVDF offers the highest resistance to physical shocks as well as to chemical corrosion and is compatible with most types of tips
- Calibrated as per ISO 8655-6 standards in ISO 17025 accredited lab
- Click stop counter system for convenient volume setting
- Autoclavable lower assembly
- Min vol 0.1  $\mu$ l & Max vol 10,000  $\mu$ l

Available in Variable & Fixed volumes for single channel & in 8/12 channel variants



### ACCUMAX Jr. PIPETTE

- Working size of 130 mm ensures perfect fitment in the hand for convenient pipetting
- Small enough to fit in a kit that can be supplied as a standard accessory
- All pipettes are calibrated as per ISO 8655-6 standards
- Specially designed tip cone that adapts both - 10  $\mu$ l & 200  $\mu$ l tips
- Two step plunger
- Standard volumes: 5  $\mu$ l/10  $\mu$ l/20  $\mu$ l/25  $\mu$ l/50  $\mu$ l/100  $\mu$ l/200  $\mu$ l

Customize any volume between 2  $\mu$ l to 200  $\mu$ l



### ACCUMAX TRANSFER PIPETTE

- Soft elastic bulb for easy usage
- Visible external graduations for accurate dispensing
- Smooth orifice for proper dispensing
- Made from medical grade LDPE
- Clean room manufacturing
- Available in 1 & 3 ml capacity
- Available in Non-sterile bulk, sterile bulk and individually wrap sterile variants



## ACCUMAX BOTTLE TOP DISPENSER

- Re-circulation valve for environment friendly & cost saving operation\*
- Springless valve design offers high-chemical resistance & longer-life with zero maintenance
- Unique mechanism allows cleaning and servicing of piston cylinder without disturbing calibration
- Discharge tube with 360° rotation for convenient dispensing in multiple vessels
- Easy to re-calibrate with a single tool
- Calibrated as per ISO 8655-5 standards in ISO 17025 accredited lab
- Safety locking feature prevents accidental flow of reagents
- Dual graduation marks enable precise volume setting & provide clear visibility from both sides
- Volume lock for enhanced precision & accurate volume setting
- Snap-fit mounting of discharge-tube
- Telescoping filling tube compatible with different sizes of reagent bottles
- Min vol 0.25 ml & Max vol 100 ml
- Supplied with various size of adapters 28/32/38/40/45 mm

\*Re-circulation valve is an optional feature



## ACCUMAX PIPETTE CONTROLLER

- Powerful yet quiet pump can fill 25 ml pipette under 4 seconds
- Ergonomic design for effortless and smooth working
- Double safety valve and hydrophobic filters provide double protection against fluid penetration
- Autoclavable pipette cone to avoid cross contamination
- Two different speed modes - high, low along with gravity drain
- Cadmium free environment friendly NiMH rechargeable batteries that will continuously work for 8 hours after every recharge
- Batteries can be changed very easily by the end user
- Low battery indicator
- Supplied with two stands- wall mounting and table top, for convenient resting-storage
- Supplied with total 3 hydrophobic filters as standard accessories



**ACCUMAX TUBES**

**CENTRIFUGE TUBES**

- Manufactured in a fully automatic, human touch free plant with class 100K clean room facility from US FDA approved resins
- Certified DNase, RNase, Endotoxin, Pyrogen free
- Free of lubricants and heavy metals which guarantee no leaching and sample contamination from raw material
- Tamper proof printing for easy traceability during longer storage
- Withstand temperatures from -80°C to +121°C
- Leak proof design of cap makes it convenient for long term storage
- Fit all standard and high capacity centrifuge rotors
- High transparency
- Amber color centrifuge tubes for light sensitive samples
- Tamper-proof with clear white graduations (for amber color tubes)



15 ML  
17000 g



50 ML  
Self Standing



50 ML  
20000 g

**HEAVY METAL FREE TUBES**

- Certified below one part per billion (<1ppb) trace of heavy metals
- Pure, Additive-free natural color caps for easy labelling
- Tubes and caps made with virgin, 100% medical-grade resins
- Large writing area
- Heavy metals free centrifuge tubes are specifically manufactured to make sure that common trace metals that can interfere with experiments are below an ICP-MS detection level of one part per billion (<1ppb) Metals included in testing are: Boron, Aluminum, Phosphorous, Arsenic, Selenium, Cadmium, Lead, Chromium, Manganese, Iron, Nickel, Copper, Zinc, Antimony, Lithium, Silicon, Cobalt, Mercury, Magnesium, Potassium, Calcium, Sodium, Vanadium, Molybdenum



15 ML



50 ML



50 ML

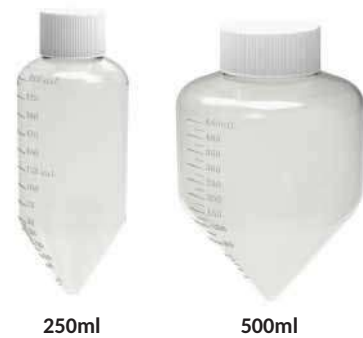
**MICROCENTRIFUGE TUBES**

- Manufactured in a fully automatic, human touch free plant with class 100K clean room facility from US FDA approved resins
- Certified DNase, RNase, Endotoxin, Pyrogen free
- Specially designed leak proof seal cap allows single hand operation
- Special mould design along with superior raw material ensure that tubes can with stand up to 20000 g-force
- Thin cap membrane for easy needle piercing
- No sharp points or edges. Ultra smooth design doesn't catch gloves
- Clear and precise graduations



**LARGE VOLUME CENTRIFUGE TUBES**

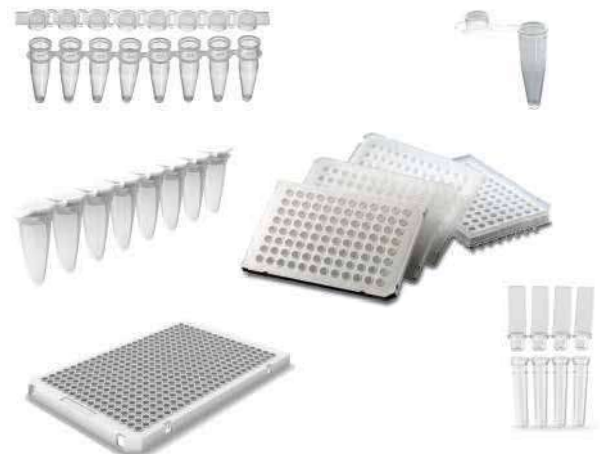
- Material: Bottle PP & Cap HDPE
- Clean room manufacturing with USP class VI raw material
- Free from DNase, RNase and pyrogen
- Ideal for large-volume centrifugation applications
- Can be centrifuged upto 7500, 6000 RCF in 250 & 500 ml respectively



Volume: 250 & 500 ml

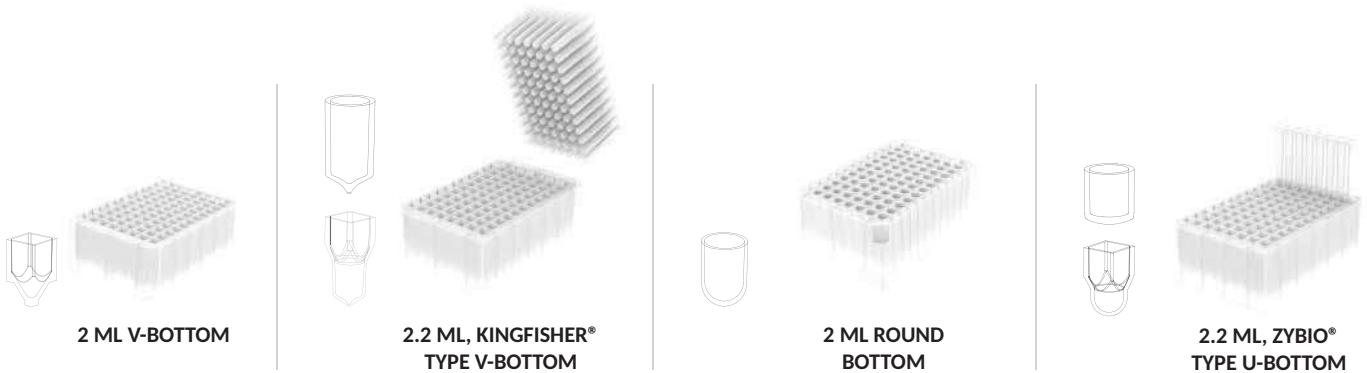
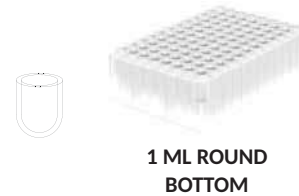
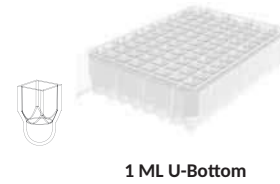
**PCR CONSUMABLES**

- Ultra thin walls ensure maximum heat transfer
- Free from PCR inhibitor and endotoxin
- Certified DNase, RNase & Human DNA free
- Specially designed smaller bulk packs to avoid contamination by different researcher
- Non-reactive internal surface and uniform wall thickness for consistent & error-free results
- Wide range of offering as per need in strips and plates that suits wider applications for PCR and qPCR



## ACCUMAX DEEPWELL PLATE

- Raised well rims for reduced cross-contamination
- Manufactured in fully automated plant with class 100K clean room facility
- Made from US FDA approved Virgin polypropylene
- Certified DNase, RNase, Human DNA, Endotoxin free
- 8 x 12 wells with alphanumeric code
- ANSI standard micro test plate format
- \*Suitable for nucleic acid isolation platforms
- Silicon mats and Dilution strips are now available



\*KINGFISHER® KINGFISHER IS REGISTERED TRADEMARK OWNED BY THERMO SCIENTIFIC, USA & OTHER COUNTRIES \*ZYBIO® ZYBIO IS REGISTERED OWNED BY ZYBIO INC., CHINA & OTHER COUNTRIES

## ACCUMAX RESERVOIRS

- Made using superior quality polystyrene (PS)
- Convenient pour-off spouts on all four corners
- Wide base for stability and preventing spillage
- Graduations on inside wall
- Angled bottom for practically complete withdrawal of sample

Available in 10, 25 and 50 ml capacity



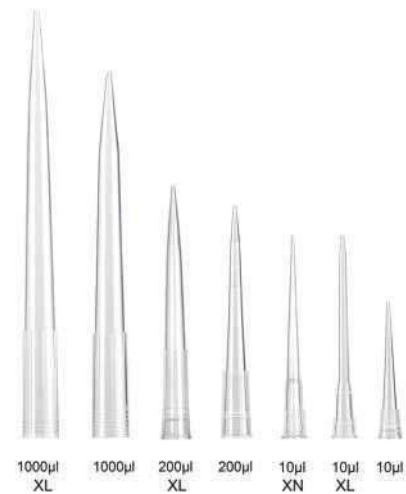
## HPLC SAFETY CAPS

- Advanced vapour valve keeps lab environment free from hazardous solvent vapour
- Efficient PTFE filter for preventing contaminants mediated noise
- Chemically resistant against aggressive organic solvents
- Specially designed O-ring for air tight connection with glass bottle
- Compatible with GL45 thread size



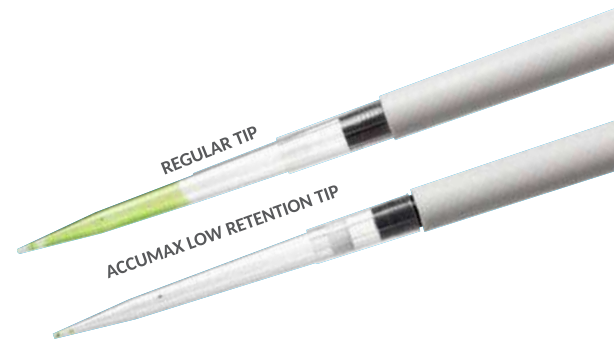
### ACCUMAX TIPS

- Certified DNase, RNase, Pyrogen, Endotoxin, Human DNA & PCR Inhibitor free
- Fully automatic, human touch free manufacturing plant with class 100K clean room facility ensures optimum purity
- Produced from swiss-made diamond finish mould for flawless "super smooth" internal surface
- Produced from US FDA approved virgin raw material
- Free of lubricants and heavy metals which guarantees no leaching and sample contamination from raw material
- Adaptability with wide range of pipettes
- Graduation marks which act as visual checks to minimize any risk of errors during pipetting
- Clear and transparent



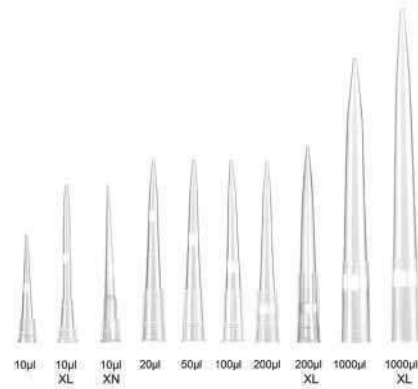
### LOW RETENTION TIPS

- Specially developed resins combined with high quality diamond finish mould create super hydrophobic internal surface which ensures maximum recovery of sample yield



### FILTER TIPS

- Specially developed PE filters for pipetting application. The filter serves as a barrier against aerosols formed during pipetting
- Filter tips protect the pipette shafts from contamination and reduce the risk of cross-contamination and faulty measuring results



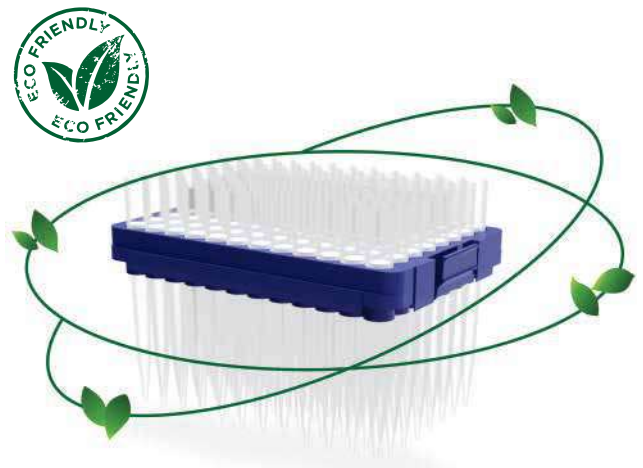
### PACKAGING OPTIONS

- Fully autoclavable & stackable
- Hinge rack allows single hand operation
- Color coded tray for easy identification
- Tips pre-arranged in 8 x 12 format
- Minimal wastage & cost saving
- Special eco friendly reloading paper rack for filter tips
- Packed in self standing polyethylene bag with easy tearing for convenient usage
- Perforation & zip lock-double sealing provide better protection against contamination and spillage while in use



## GREENMAX TIP RACKS

- Minimum Plastic – Maximum Environment
- Available for 10µl, 200µl, 1000µl and 1250µl Tips.
- Environment friendly Tip racks made from a light-weight material in a compact format
- These racks work seamlessly with both single-channel and multi-channel pipettes, making loading of tips a breeze
- By using 100% biodegradable material for the majority portion of these tip racks, we are able to reduce plastic consumption by 60% compared to traditional tip racks
- GreenMAX Tip racks facilitate easy and guilt free disposal after use.
- These racks are non-autoclavable and pre-sterilized for immediate use.
- By using these racks, you can eliminate the plastic burden associated with traditional pipette tip boxes.



Reduces your plastic consumption upto 60%



Guilt-free disposal



Works seamlessly with single and multi-channel pipettes

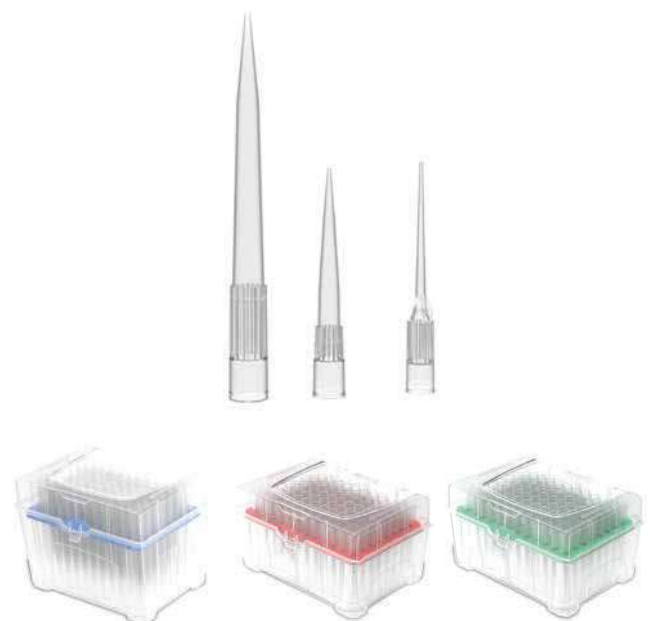
## ACCUMAX LF TIPS

- Accumax LF Tips are designed to seamlessly integrate with Accumax LF Pipettes and Rainin® LTS® Pipettes, ensuring leak-free performance without compromise
- Designed for optimal performance with Rainin® LTS® style pipette
- Available with optional low retention
- Available in optional filter barrier for protection against aerosol contamination
- Color coded tip rack inserts for easy matching of the tip and pipette volume
- Cylindrical collar with positive stop mechanism for easy attachment and ejection of the tip

**Volume: 20, 200 and 1000µl**

*LTS® is a registered trademark of Rainin Instrument*

*Rainin® is a registered trademark of Mettler Toledo Rainin LLC*



**ROBOTIC TIPS (DYNEX® TYPE)**

- For use with DSX® and DS2® Instrument
- All tips are certified Endotoxin, Heavy Metals, RNase, DNase and DNA free
- Packaging unit 4 X 108 tips each
- Tips are manufactured with the highest quality specification under clean room conditions
- Volume for sample tips: 5 – 300 µl
- Volume for reagent tips: 20µl - 1300 µl
- Deep well reservoirs (Dilution strips) available with Strip of 8 wells in PP material

**Volume: 300µl and 1300µl**



Sample tips



Reagent tips



Deep well Dilution strips

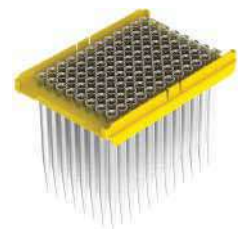
**ROBOTIC TIPS (TECAN® TYPE)**

- Constructed of premium grade virgin polypropylene
- Available in carbon-embedded conductive tips and clear tips
- Manufactured in ISO-certified 9001 and 13485 facility
- Made from USP class VI resins
- All tips are certified Endotoxin, Heavy Metals, RNase, DNase and DNA free
- Low percentage coefficient of variation (%CV)
- Validated on the actual instrument for which the tip is created
- Available in Non sterile, sterile and filtered sterile formats
- Polyethylene filter to prevent aerosol contamination
- Made to fit Tecan® Evo® Series with LiHa® arm and Tecan® Genesis Freedom and Fluent® with FCA®
- Available in blister packs, ANSI Rack and Eco flip box

**Volume: 10, 50, 200, 1000µl**



10 µl conductive tips in ANSI Rack



1000 µl clear tips



200 µl conductive tips in flip box



50 µl clear tips in blister pack

## CRYOVIAL

- V bottom for maximum sample recovery
- Autoclavable at 121°C for 15 mins
- Better stability with hepta foot for self standing and storage efficiency
- Easy sample identification, large and clear patch for personalized labeling
- Quick closure and leak proof tube seal
- Externally threaded without O-ring to avoid contamination
- Certified DNase and RNase free

Volume Range 1/1.8/3.5/4.5 ml



## SPIN COLUMN & FILTER PLATE

- Spin Column includes a standard 0.8 ml round bottom filter tube and 2 ml receiver tube
- They are manufactured from premium quality virgin polypropylene, autoclavable and non-wettable
- Can support up to 25,000 x g of fixed-angle rotor and 30,000 x g of swing rotor
- Multiple filter options such as fiberglass, polyethylene, cellulose acetate, regenerated cellulose, nylon, PVDF, etc
- Certified free from RNase, DNase, human DNA, pyrogens & PCR inhibitors with sterility assurance level (SAL) of  $10^{-6}$
- Filter plate sample volume of 1 ml
- Manufactured from virgin polystyrene according to SBS standard
- Compatible with centrifugation (1500g) and vacuum (10 inHG) protocols
- Manufactured in ISO 9001 & ISO 13485 certified 100K clean room facility



## PETRI PLATES

- Fully automated manufacturing and packaging in Class 10K clean rooms
- Manufactured with US FDA 21 CFR compliant polystyrene
- 90mm diameter
- Vented and non vented
- Endotoxin/Pyrogen free
- Sterilized by gamma irradiation as per ISO 11137-2 guidelines (SAL  $10^{-6}$ )
- Lot number, Sterility & expiration traceability in bag packaging
- Fully stackable with raised ridge and optimally clear petri plates
- Fully compatible with medium throughput carousel based media preparation systems



Available in Two Packaging options: 10 plates/ bag & 20 plates/ bag

### SEROLOGICAL PIPETTE

- Material- Polystyrene
- Manufactured from virgin polystyrene in a class 100K clean room
- Negative graduation marks for extra capacity
- Certified free from DNase, RNase, Cytotoxin & Non-pyrogenic
- Highly transparent and clear



Volume: 1ml, 2ml, 5ml, 10ml, 25ml, 50ml, 100ml

### SCREW CAP TUBES

- Material: PP
- Design Style: Conical, Self standing, Amber, Low Retention
- Manufactured using USP Class VI medical grade Polypropylene (PP)
- Available in conical and self standing design
- They can withstand RCF upto 20,000g & -80 degree freezing & Thawing at RT
- Designed with an infused 'O' ring with better sealability and leakproof stability



Volume : 0.5ml, 1.5ml and 2ml

### SINGLE - USE ASSEMBLIES

- For Aseptic fluid transfer bio processes.
- Available in tubes, bottles, Flasks or Carboys
- Tailored Solutions with Assured Lead Time
- Comprehensive Technical Documentation
- Manufactured in dedicated single-use Class 7 Clean Room area
- Full Lot Traceability
- Sterilized by In-House Gamma Facility



### ASEPTIC CLOSURES

- Designed for Glass Laboratory Bottles and single use plastics.
- Ideal for bio pharmaceuticals, vaccines, cell and gene therapy applications
- Available in
  - 2 ports for GL25, GL35 and GL45 bottles
  - 2 and 3 port, engineered to fit the variety of rigid containers like Bottles, Flasks, Carboys and Tubes
  - 1/4 and 1/8" Port variants for 38mm, 45mm and 70mm



## REAGENT BOTTLES (PP/HDPE/LDPE)

- Produced in 100K class clean room facility
- Tested for Heavy metals and Leachables
- Leak proof for ultimate protection
- US FDA approved virgin polypropylene of usp class VI
- Translucent visibility and amber colour option available

### Available in

- Narrow Mouth:  
4/8/15/30/60/125/250/500/1000/2000/4000 ml
- Wide Mouth: 30/60/125/250/500/1000/2000/4000 ml
- Heavy Duty bottles : 1/2/4 litre
- Round bottles with handle: 4 litre
- Square bottles : 60/175/250/500/1000 ml
- Square bottles with handle: 2/4 litre



## CARBOYS & JERRICANS

- Unique serial number for easy identification based on customer requirement
- Individually laser printed graduation with Lot Number marking for visual determination..
- Material – PP/HDPE/LDPE
- Made from US FDA 21CFR compliant Raw Material
- Leakproof PP closure design with silicone gasket
- E&L (Extractable & leachable) profile available
- Available with sterility assurance level  $10^{-6}$  as per ISO 11137-2
- TSE/BSE Compliant
- BPA Free

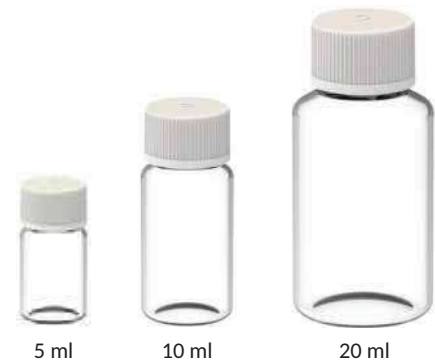
**Carboys – 10, 15, 20, 25 & 50 litres. (With and without stopcock)**

**Jerricans – 10 litres. and 20 litres. (With and without Anti-Wobbling mouth)**



## DIAGNOSTIC PETG VIALS

- Material: PETG
- Non-Pyrogenic and Non-Cytotoxic
- Manufactured in ISO approved clean room facility using USP Class VI Raw material, with low leachable and extractable.
- Gamma Sterile product ensures maximum sterility.
- Caps available with Screw Cap Type made out of HDPE closure material
- HDPE Cap closure with Polyethylene cap liner



Available Volume – 5,10,20ml

## ERLENMEYER FLASK

- PETG and PC Material
- Made of USP class VI material with low leachables and extractables
- Vented and non vented cap types available
- Graduated for quick user visibility
- Available in flat and baffled bottom
- RNase/DNase-free, Noncytotoxic and Nonpyrogenic
- Sterilized by gamma irradiation per ISO 11137-2 (SAL  $10^{-6}$ )
- Also available in Individually packaged EZ-Tear bag, sterilized for immediate use

Volume range of 125, 250, 500, 1000, 2000 and 3000ml



## MEDIA BOTTLES

- USP class VI plastic resins ensures low-levels of extractables
- Leak-proof seal making it easy transportation and long term storage
- Break-resistant and easy to handle
- Heat-shrink band around closure & neck for tamper-evident seal
- Non Pyrogenic and Non cytotoxic
- Designed for storage within a temperature range of 60°C to -70°C
- Gamma Sterile Product

Volume: PETG: 30, 60, 125, 250, 500, 1000, 2000ml

PET: 125, 250, 500 & 1000ml

PC: 30, 60, 125, 250, 500, 1000, 2000ml



## ROLLER BOTTLES

- Made from high-quality PET material with PP caps for durability
- DNase/RNase Human DNA free
- Working media volume range: 170 mL to 350 mL
- Cell growth surface area: 850 cm<sup>2</sup>, ideal for large-scale culture applications
- 2L volume capacity, designed for high-yield cell growth
- Gamma sterile (SAL 10<sup>-6</sup>) for contamination-free research



ALL PICTURES SHOWN ABOVE ARE FOR REPRESENTATION PURPOSE ONLY. ACTUAL PRODUCTS MAY VARY DUE TO PRODUCT ENHANCEMENT

**ACCUMAX**

**Accumax Lab Devices Pvt. Ltd.**  
E: [contact@accumax-neuation.com](mailto:contact@accumax-neuation.com)  
W: [www.accumaxlab.com](http://www.accumaxlab.com)

# ACCUMAX

# NEUATION



EVOLVING THE WORLD OF  
**LAB EQUIPMENT**  
THROUGH INNOVATIVE  
NEXTGEN TECHNOLOGY

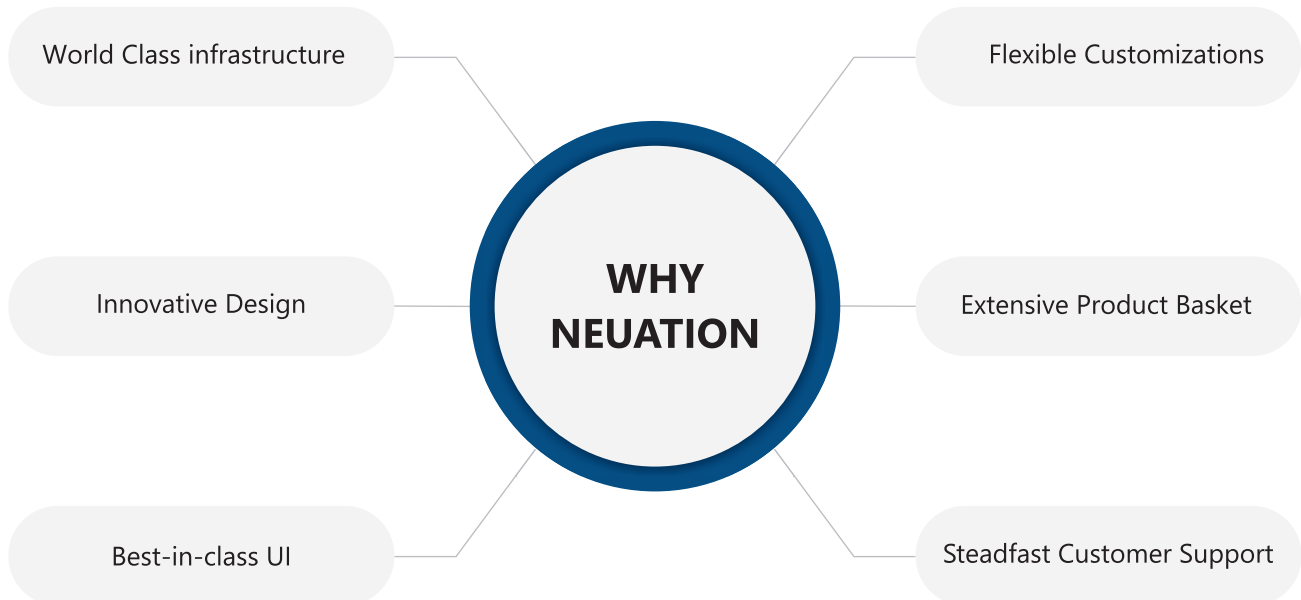
---



# Welcome to the world of **next generation bench-top lab equipment**

Great minds, driven by passion and knowledge, require a dependable partner that can reach up to their level and just like them, perform brilliantly whenever opportunity emerges.

Neuation, a brand of Accumax Lab Devices Pvt. Ltd. is on a mission to provide such great minds, a perfect lab partner which is flawless. With a strong focus on user-centric design, we have created a range of cutting-edge bench-top devices that offer the perfect blend of innovation, precision, user efficiency and durability.



## Making life sciences more sustainable

As an organization that highly values environment conservation and sustainability, Accumax is one of the largest manufacturers of lab equipment and consumables that are sustainable and environmentally friendly.

We are moving forward strategically by incorporating sustainability into every aspect of the organization. Our commitment to sustainability is reflected in our selection of parts, all of which are compliant with the RoHS directive and do not contain any restricted hazardous substances as defined by the European Union. We use cutting-edge technology to ensure that our products are produced in a safe, energy-saving, and resource-efficient manner.





## iFuge M08 / M08VT / BL08VT

Smart Personal Centrifuge



**Max. 6000 RPM, (2000g)**  
**8 x 1.5 / 2 ml**  
**2 x 8 x 0.2 ml PCR Strips**

- ♦ Patented magnetic design for tool-free rotor removal
- ♦ Rotor with closed construction for better airflow, increased efficiency and low heat generation
- ♦ Electronic safety brake
- ♦ Robust body design for long term sturdy performance

## iFuge M5K Combi

The Combi Centrifuge



**Max. 5500 RPM (2084g),**  
**12 x 2 ml + 4 x 8 x 02 ml**  
**Micro tube & PCR strip**

- ♦ Electronic safety brake on lid opening for user safety
- ♦ Starts and stops in seconds
- ♦ Smooth and silent, discreet running
- ♦ Small footprint can be fit in hoods & small work places
- ♦ Low voltage power consuming device

## iFuge M15K

High Speed Personal Centrifuge



**Max. 15000 RPM (15596g),**  
**12 X 1.5 / 2 ml**  
**2 x 8 x 0.1/0.2 ml PCR strip**

- ♦ Brushless DC motor
- ♦ Microprocessor controlled
- ♦ Quick and convenient user interface
- ♦ Automatic imbalance detection

## iFuge M12P

High Speed Micro Centrifuge



**Max. 15000 RPM (15596g),**  
**12 X 1.5/2 ml**  
**2 X 8 X 0.1/0.2 ml PCR strip**

- ♦ Brushless DC motor
- ♦ Microprocessor controlled
- ♦ Superior airflow design
- ♦ Quick and convenient user interface
- ♦ Robust structure with two shell metal enclosure
- ♦ Optional USB connectivity
- ♦ Autoclavable metal rotor

## iFuge M24PR

Refrigerated Lab Champion



**Max. 15000 RPM (22388g),**  
**44 x 1.5 / 2 ml**

- ♦ Refrigerating temperature ranges up to -20°C
- ♦ Programmable up to 99 programs with 4 lines each
- ♦ Stainless steel rotor chamber
- ♦ Brushless DC motor
- ♦ Microprocessor controlled

### ROTOR OPTIONS



24 x 2ml (21420g)



44 x 2ml (22388g)



8 x 5ml (18461g)



4PCR Strip (15397g)

Energy Efficient and Eco-friendly

# ACCUMAX

## iFuge D06

Doctor Centrifuge

Now Portable  
With Optional  
Accessory



**Max. 6500 RPM,  
6 X 15 ml (3684g),  
8 X 15 ml (3873g)**

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Adaptors for all standard blood collection tubes
- ◆ Automatic imbalance detection
- ◆ Lid lock safety
- ◆ Autoclavable rotor

### ROTOR OPTIONS



6 x 15ml



8 x 15ml

## iFuge D08

Doctor Centrifuge with  
Combi Rotor



Now Portable  
With Optional  
Accessory

**Max. 4500 RPM (1985g)  
4 x 50 + 4 x 15ml or  
8 x 15 ml**

- ◆ Brushless DC motor
- ◆ Imbalance detector
- ◆ Silent operation programming option
- ◆ Lid lock safety
- ◆ Emergency lid release during power failure

### ROTOR OPTIONS



8 x 15ml



4x50ml

## iFuge HCT NXT

Hematocrit Centrifuge



**Max. 12000 RPM (14118g),  
24 x 75 mm Capillary Tube**

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Automatic imbalance detection
- ◆ Favourite program setting
- ◆ Lid lock safety
- ◆ Supplied with capillary reading device

### ROTOR OPTIONS



24x75 mm Capillary tube  
Rotor



## iFuge FX2P

Fixed Angle Plate Centrifuge



**Max. 2500 RPM (462g),  
2 microplate 96 & 384 PCR tubes**

- ◆ Compact vertical fixed angle design with low loading height for ease of operation
- ◆ Automatic Lid Opening Upon Completion Of Run
- ◆ One Touch Short Spin Operation & Change Over From RPM To RCF
- ◆ P1 & P2 Program Options
- ◆ Compatible With All Types 96 & 384 Wells Microplates.
- ◆ Timer Setting From 1 To 99 Mins & infinite

### ROTOR OPTIONS



2 Place PCR fixed angle rotor

## iFuge CS2P NXT

Microplate Centrifuge



**Max. 2200 RPM (560g),  
2 x 96 & 384 well (PCR/ Deep well)**

- ◆ Brushless DC Motor
- ◆ Microprocessor controlled
- ◆ Capacity of 2 microplates: 96 & 384 well (PCR/ Deep well)
- ◆ Automatic imbalance detection for safe operation
- ◆ Lid lock safety- Automatic lid release after run completion
- ◆ All rotors are with positional labelling, rotor cat-code, rotor expiry date, RPM/RCF(speed), rotor capacity

### ROTOR OPTIONS



2 microplates: 96 & 384 well (PCR/ Deep well)

## iFuge M24 NXT

High Speed Micro Centrifuge




**Max. 13400 RPM (17040g)  
24 x 1.5ml/2ml**

- ◆ Brushless DC Motor
- ◆ Microprocessor controlled
- ◆ Timer setting from 1 to 999min & Infinite
- ◆ All rotors are with positional labelling, rotor cat-code, rotor expiry date, RPM/RCF(speed), rotor capacity
- ◆ User programmable feature up to 99 programs
- ◆ Lid Lock Safety-lid opens automatically on run completion

### ROTOR OPTIONS



24 x 2ml

 Energy Efficient and Eco-friendly

# ACCUMAX

## iFuge C4000 NXT

Clinical Centrifuge



**Max. 4000 RPM (2270g)**  
**16 x 10 ml**

- ◆ Brushless DC Motor
- ◆ Unique 6 Tube Rotor Design Allows Use Of 10ML Tubes Swing In A Smaller Compact Unit
- ◆ Motorized latch with more strength and reliability
- ◆ Automatic imbalance detection
- ◆ Centrally placed latch lock for effortless closure

### ROTOR OPTIONS



Swing out rotor  
6 x 10 ml | 2270 x g



Fixed angle  
8 x 15 ml | 1950 x g



Fixed angle rotor  
16 x 10 ml | 2180 x g

## iFuge CS03 NXT

Clinical Centrifuge



**Max. 3200 RPM (1470g)**  
**2 x 50 ml, 3 x 50 ml**

- ◆ Brushless DC Motor
- ◆ Microprocessor controlled
- ◆ Unique Rotor design – Allows the use of 50 ml swing in a compact unit
- ◆ Lid lock safety - Lid releases (automatically) after run completion
- ◆ Timer setting from 1-999 minutes & infinite mode
- ◆ All rotors come with positional labelling, rotor cat-code, rotor expiry date, RPM/RCF(speed), rotor capacity

### ROTOR OPTIONS



3 x 50 ml



2 x 50 ml

## iFuge CS02 NXT

Clinical Centrifuge



**Max 3200 RPM (1491 g)**  
**2 x 50 ml**

- ◆ Brushless DC Motor
- ◆ Microprocessor Controlled
- ◆ Lid Lock safety feature: Lid releases (automatically) after run completion.
- ◆ Programming feature: User can save and run upto 99 defined programs (protocols)
- ◆ Precise RPM setting from 500 to 3200 RPM with least count of 10 RPM
- ◆ Automatic imbalance detection for safe operation
- ◆ Compact design with low loading height for ease of operation

### ROTOR OPTIONS



2 x 50 ml

 Energy Efficient and Eco-friendly



## iFuge L400 NXT

Versatile Lab Centrifuge

**Max. 4500 RPM, (3334g),  
32 x 6 ml**



- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Automatic imbalance detection
- ◆ Selectable 9 acceleration and 11 deceleration rate
- ◆ A Single Universal Rotor (Swing & Fixed Type) with variety of buckets for different work protocols.

### MULTIPLE ROTOR OPTIONS - L400 NXT

#### Swing Out Rotor



Max. RCF: 3334g

Buckets:



RCF: 3220g  
24x15 ml



RCF: 3315g  
4x50 ml



RCF: 3334g  
16x15 ml



RCF: 3152g  
32x6 ml

#### Fixed Angle Rotor



Max. RCF: 2766g

Buckets:



RCF: 2744g  
24x15 ml



RCF: 2562g  
4x50 ml



RCF: 2744g  
16x15 ml



RCF: 2766g  
32x6 ml

## iFuge L400P

Versatile Lab Centrifuge

**Max. 4500 RPM (3164g),  
4 x 100 ml**



- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Automatic imbalance detection
- ◆ Selectable 9 acceleration and 11 deceleration rate
- ◆ Lid lock safety
- ◆ Multiple swing out & fixed angle rotor option

### MULTIPLE ROTOR OPTIONS

#### Swing Out Rotors

Capacity	RCF x g
16 x 15 ml	3485
4 x 50 ml	3485
4 x 100 ml	3164
32 x 6 ml	3164
2 Micro plates	2377

#### Fixed Angle Rotors

Capacity	RCF x g
16 x 15 ml	3144
4 x 50 ml	2644
4 x 100 ml	2559
24 x 15 ml	2852
6 x 50 ml	2644

## iFuge L1000

The Versatile Lab Genius Centrifuge

**Max. 4200 RPM (3181g),  
4 x 250 ml**



- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Automatic imbalance detection
- ◆ 9 selectable acceleration and 11 deceleration rate
- ◆ Lid lock safety
- ◆ Multiple swing out and fixed angle rotor option

### MULTIPLE ROTOR OPTIONS

#### Swing Out Rotors

Capacity	RCF x g
4 x 50 ml	2884
4 x 100 ml	2766
4 x 250 ml	3181
16 x 15 ml	2884
32 x 6 ml	2766
64 x 6 ml	3181
2 Micro plates	2074

#### Fixed Angle Rotors

Capacity	RCF x g
4 x 50 ml	2331
4 x 100 ml	2272
6 x 50 ml	2410
16 x 15 ml	2410
24 x 15 ml	2489

# ACCUMAX

## iFuge UC02/UC02R

Universal Lab Centrifuge Without / With Refrigeration



**Max. 15000 RPM (22388g),  
4 x 100 ml**

- ◆ Brushless Motor
- ◆ Microprocessor controlled
- ◆ Auto rotor detection
- ◆ Refrigerating temperature range up to -10°C (For UC02R)
- ◆ Condensation drainage line (For UC02R)
- ◆ Multiple swing out and fixed angle rotor option
- ◆ Automatic imbalance detection
- ◆ Programmable up to 99 programs with 4 lines each

## MULTIPLE ROTOR OPTIONS

### Fixed Angle Rotors

Capacity	RPM	RCF x g
24 x 2 ml	15000	21420
4 x 8 x 0.2 PCR	15000	15397
8 x 5 ml	15000	18461
44 x 2 ml	15000	22388
4 x 100 ml	4500	2633
4 x 50 ml	4500	2905
6 x 50 ml	4500	2834
16 x 15 ml	4500	2857
24 x 15 ml	4500	2961

### Swing Out Rotors

Capacity	RPM	RCF x g
4 x 100 ml	4500	3305
4 x 50 ml	4500	3305
16 x 15 ml	4500	3305
32 x 6 ml	4500	3164
2 x Micro plates	4500	2377

## iFuge CYTO

Cytoslide Centrifuge



**Max. 2200 RPM (463g)  
3x2 slide position capacity**

- ◆ Brushless DC Motor
- ◆ Microprocessor controlled
- ◆ Easy to manage and program with minimal training requirement
- ◆ Digital display with speed and time setting
- ◆ Lid lock safety feature- Lid opens automatically on run completion

## iFuge GC12

Gel Card Centrifuge



**Max. 2200 RPM (470g)  
12 gel card capacity**

- ◆ Brushless DC Motor
- ◆ Microprocessor controlled
- ◆ Universal for all types of standard gel cards
- ◆ Easy to manage and program with minimal training requirement
- ◆ Digital display with speed and time setting
- ◆ Lid lock safety feature- Lid opens automatically on run completion

 Energy Efficient and Eco-friendly

# NEUATION



## iSwix FS/ iSwix/ iSwix VT Vortex Mixer



**Max. 4200 RPM, 4 mm Ø**

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Speed adjustment for different loads
- ◆ Choose between touch, continuous and stand-by mode
- ◆ Set time from 1 - 999 minutes and continuous mode.
- ◆ IP 21 compliant design
- ◆ Also available in analog variant - iSwix(2800 RPM) iSwixFS (2800 RPM) Fixed speed

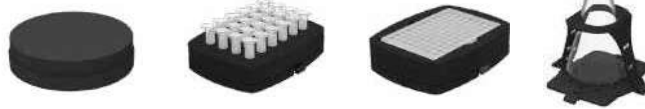
### STANDARD ATTACHMENT



Rubber Disk Attachment

Cup Attachment

### OPTIONAL ATTACHMENTS



Round Disc

Micro Centrifuge Tube  
24 X 1.5/2ml

96 Well Micro Plate

Flask

## iSwix MV Digital Multi Tube Vortexer



**Max. 2500 RPM, 4mm Ø**



- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Programmable pulse mode
- ◆ Variable speed and time setting
- ◆ CW/CCW motion for effective mixing

### STANDARD ATTACHMENTS



60 x 7ml tubes

45 x 15ml tubes

72 x 1.5 / 2 ml tubes



18 x 50 ml tubes

7 x 50 ml Quechers assay

6 x 250ml flasks

## iSwix JR. NXT/iSwix JR. VT NXT Mini Vortex Mixer



**Max. 4200 RPM. 4.5 mm Ø**

- ◆ DC motor
- ◆ Small footprint
- ◆ Unique suspension design
- ◆ Fixed Speed 4200 RPM (iSwixJR. NXT)
- ◆ Variable Speed 2000-4200 RPM (iSwixJR. VT NXT)

Energy Efficient and Eco-friendly

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

# ACCUMAX

## iRoll RNR4

Tube Roller



**Max. 30 RPM, 9 x 3/4 ml**

- ♦ Gentle rocking and rolling motion for optimum mixing
- ♦ + 2 RPM speed accuracy
- ♦ Tool free roller removal & installation for easy cleaning
- ♦ Accommodates various tube sizes
- ♦ IP 21 compliant design
- ♦ Infinite / continuous mode of operation

## iRoll RNR6

Digital Tube Roller



**Max. 80 RPM, 15 x 3/4 ml**

- ♦ Brushless DC motor
- ♦ Microprocessor controlled
- ♦ Unique run-pause-run programmable pulse mode
- ♦ Infinite / continuous mode of operation
- ♦ Set up to 9 user defined program
- ♦ Tool free roller removal & installation for easy cleaning
- ♦ Variable speed setting from 10 to 80 RPM with an accuracy of  $\pm 1$  RPM

## iRoll DR24

Digital Disc Rotator



**Max. 80 RPM, 24 x 15 ml**

- ♦ Brushless DC motor
- ♦ Set up to 9 user defined programs
- ♦ Variable speed (10 - 80 RPM) and timer setting
- ♦ Pulse mode function with CW/CCW mixing
- ♦ Set angle from 0° to 90°
- ♦ Multiple optional attachments for 12 X 50 ml, 24 X 15 ml, 44 X 2 ml tubes

## iRoll PR35

Digital Plate Rotator



**Max. 80 RPM, 35 X 15 ml**

- ♦ Brushless DC motor
- ♦ Variable speed from 10 to 80 RPM with an accuracy of  $\pm 1$  RPM
- ♦ Variable timer setting from 1 to 999 minutes and infinite mode
- ♦ Set up to 9 user defined programs
- ♦ Pulse mode function with CW/CCW mixing
- ♦ Multiple optional attachments for 35 X 15 ml, 16 X 50 ml, 55 X 2 ml tubes

## iStir UNO / QUATTRO

Motorless Magnetic Stirrer



**Max. 1500 RPM (Uno),  
Max. 1200 RPM (Quattro)**

- ♦ Compact and slim design
- ♦ Capacity of  
1 x 800 ml (iStir Uno)  
4 x 500 ml (iStir Quattro)
- ♦ IP 65 compliant design
- ♦ Pulse mode function
- ♦ Variable speed and time setting
- ♦ Corrosion resistant stainless steel top
- ♦ Truly maintenance free no moving parts

## iStir HP 5M / 10M / 15M

Multi-Station Digital Hot Plate Stirrers

**Max. 1500 RPM,  
400 ml each, 120°C**



- ♦ Brushless DC motor
- ♦ Programmable pulse mode
- ♦ Variable temperature and timer setting
- ♦ IP 42 compliant design
- ♦ Available in 5, 10 and 15 position models

Energy Efficient and Eco-friendly



## iStir HP 320A

Hot Plate stirrer



**Max. 2200 RPM,  
10 Ltr., 320°C**

- ♦ Compact design
- ♦ Plug and play operation
- ♦ Variable speed from 500 to 2200 RPM
- ♦ Optional multiple reaction blocks available

## iStir HP 380A

Hot Plate magnetic stirrer



**Max RPM 2200,  
20 Ltr., 380°C**

- ♦ Ceramic-coated metal plate
- ♦ Space-efficient design ideal to be used in lab hoods and Benchtop
- ♦ Highly chemical-inert composite body

## iStir HP 320

Digital Hot Plate stirrer



**Max. 2200 RPM,  
10 Ltr., 320°C**

- ♦ Microprocessor controlled
- ♦ Set temperature by plate or by probe
- ♦ Variable speed and timer setting
- ♦ Safe temperature setting
- ♦ Optional multiple reaction blocks available

## iStir HP 350 / 550 PRIME

Digital Hot Plate Stirrer



**Max. 2200 RPM, 20 Ltr.,  
Up to 350°C/550°C**

- ♦ Microprocessor controlled
- ♦ Chemical / splash proof ceramic plate
- ♦ 5 heating mode
- ♦ Highly chemically inert composite material body
- ♦ Safe temperature setting up to 575°C
- ♦ Power intermittent mode

## iStir HP 450A

Hot Plate Magnetic Stirrer



**Max. 2200 RPM  
20 L. 450°C**

- ♦ DC Motor for quiet performance
- ♦ Chemical resistant nano crystal
- ♦ Small footprint saves valuable bench space and also makes it suitable for use in hoods & cold room

## iStir 50L/200L

High Capacity Magnetic Stirrer



**Max. 1000 RPM, 50 Ltr.  
Max. 600 RPM, 200 Ltr.**

- ♦ Brushless DC motor
- ♦ Microprocessor controlled
- ♦ Set acceleration rate
- ♦ Adjustable height support
- ♦ Accuracy of  $\pm 10$  RPM
- ♦ Power overload safety feature
- ♦ Pulse mode function

# ACCUMAX

## iStir MS10 Magnetic Stirrer



**Max 2200 RPM  
Max 10 Ltr.**

- ◆ Microprocessor Controlled
- ◆ Digital Display
- ◆ Variable speed ranging from 200 to 2200 RPM with increment & decrement in steps of  $\pm 10$  RPM
- ◆ Timer setting from 1-999 minutes & Infinite mode
- ◆ IP21 Class Compliant

## iStir OH PRIME Overhead Stirrer



**Max. up to 2000 RPM,  
40 Ltr., 40 Ncm**

- ◆ Brushless DC motor
- ◆ Viscosity up to 30,000 mPas
- ◆ Unique Smart control stirring for continuous stirring at changing viscosity
- ◆ Variable speed and timer setting
- ◆ Safety cut for overload, over current and over temperature
- ◆ IP 54 compliant design

## iStir OH 75 ELITE Overhead Stirrer



**Max. up to 2000 RPM,  
70 Ltr., 75 Ncm**

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Unique Smart control stirring for continuous stirring at changing viscosity
- ◆ Power intermittent mode
- ◆ Viscosity up to 50,000 mPas
- ◆ Variable timer setting
- ◆ Safety cut for overload, over current and over temperature

## iShak TS4 NXT 4 Plate Incubating Shaker



**Max. 1200 RPM,  
3 mm  $\varnothing$ , 70°C**

- ◆ Incubation range from ambient + 3°C to 70°C
- ◆ Microprocessor controlled
- ◆ Brushless DC motor
- ◆ Programmable pulse mode
- ◆ Accommodates up to 4 skirted micro-plates
- ◆ Highly chemically inert composite material body

## iShak QUATTRO NXT Digital 4 Plate Shaker



**Max. 1200 RPM, 3 mm  $\varnothing$**

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Pulse mode and favourite setting
- ◆ Variable speed and time setting
- ◆ Accommodates 4 skirted micro-plates/deepwell plates
- ◆ Highly chemically inert composite material body

## iShak BL UNO VT Digital Microplate Shaker



**Max. 1800 RPM, 2 mm  $\varnothing$**

- ◆ Brushless DC motor
- ◆ Easy loading clamps
- ◆ Even orbital motion
- ◆ Includes attachment for 20 X 2 ml tubes

 Energy Efficient and Eco-friendly



## iShak 3D-5 NXT

Digital 3D Shaker



**Max. 120 RPM, 5 kgs**

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ 3D rocking/tumbling motion at 7°
- ◆ Variable speed and time setting
- ◆ Unique run-pause-run pulse mode
- ◆ Accommodates different tubes 20 X 15 ml & 16 X 50 ml

## iTHERM CH25

Cooling - Heating Incubator



**Max. 60°C, 22Ltr.**

- ◆ Digital temperature control.
- ◆ 22 Ltr. space for incubation of plates and flask
- ◆ Internal power outlet for small shakers, mixers & other instruments
- ◆ Accommodates up to 2 Ltr. flask
- ◆ Compact footprint

## iShak PS 10/20

Multipurpose Platform Shaker



**Max. 500 RPM, 10 mm Ø (Ps10),  
Max. 300 RPM, 20 mm Ø (PS20)**

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ IP 21 compliant design
- ◆ Available in Orbital or Linear motion
- ◆ Program mode for motion, direction, speed, time, dwell time, loop operation and sequence
- ◆ Maximum loading capacity up to 7.5 kgs

## iShak US15

Universal Platform Shaker



**Max. 300 RPM, Max. 70 mm Ø**

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Maximum loading capacity up to 15 kgs
- ◆ Variable orbital diameter from 30 to 70 mm
- ◆ Save up to 6 programs with 9 sub-programs each
- ◆ Program mode for motion, direction, speed, time, dwell time, loop operation and sequence

## iRupt JR.

Mini Cell Homogenizer



**Max. 4000 RPM, 3 x 2 ml**

- ◆ Variable speed from 2800 to 4000 RPM
- ◆ Pulse mode function
- ◆ Variable cyclic intervals
- ◆ Compact and light weight
- ◆ Powerful motor to homogenize most challenging samples
- ◆ Lid lock safety

## iRupt 24P

Cell / Tissue Homogenizer



**Max. 4550 RPM,  
24 X 1.5/2 ml & 12 X 7 ml**

- ◆ Brushless motor
- ◆ Microprocessor controlled
- ◆ Variable speed from 490 to 4550 RPM
- ◆ Save up to 99 programs
- ◆ Variable cyclic intervals
- ◆ Accommodates different tubes 24 X 1.5/2 ml & 12 X 7 ml

Energy Efficient and Eco-friendly

# ACCUMAX

## iTherm D150-1/4

Dry Bath



### Temperature Range From Ambient +5°C to 120°C

- ◆ Compact block design
- ◆ Microprocessor controlled Temperature setting
- ◆ Corrosion free heating blocks
- ◆ Save up to 99 programs
- ◆ Choose from 4 types of reaction blocks
- ◆ Temperature Accuracy of  $\pm 0.5$
- ◆ Temperature uniformity of  $\pm 0.4^{\circ}\text{C}$  (D150-4)
- ◆ Temperature uniformity of  $\pm 0.5^{\circ}\text{C}$  (D150-1)

**D150-1:** Compatible to DB01-B1/ B2/ B3/ B4/ B5/ B6/ BB

**D150-4:** Compatible to DB01-B1/ B2/ B3/ B5/ B6/ BB

## OPTIONAL ATTACHMENTS



Hybrid Block 9 x 1.5/2 ml  
+20 x 0.5 ml +8x4 x 0.2 ml



28 x 1.5/2 ml Block



Bead Block



28 x 10 mm Round  
Bottom Tube Block



12 x 15 ml Block



5 x 50 ml Block

## UPCOMING PRODUCTS



### iTherm WB

Water Bath

Volume Range: 12, 26 Ltr.

With and Without stirring

Temp. Settings: Ambient 5°C to 99°C

Max. 1200 RPM

# Check out our wide range of liquid handling solutions and lab consumables

Driven by the promise of Quality, Safety and Sustainability, we are committed to making a meaningful impact in your research.



Visit [www.accumaxlab.com](http://www.accumaxlab.com) for more details

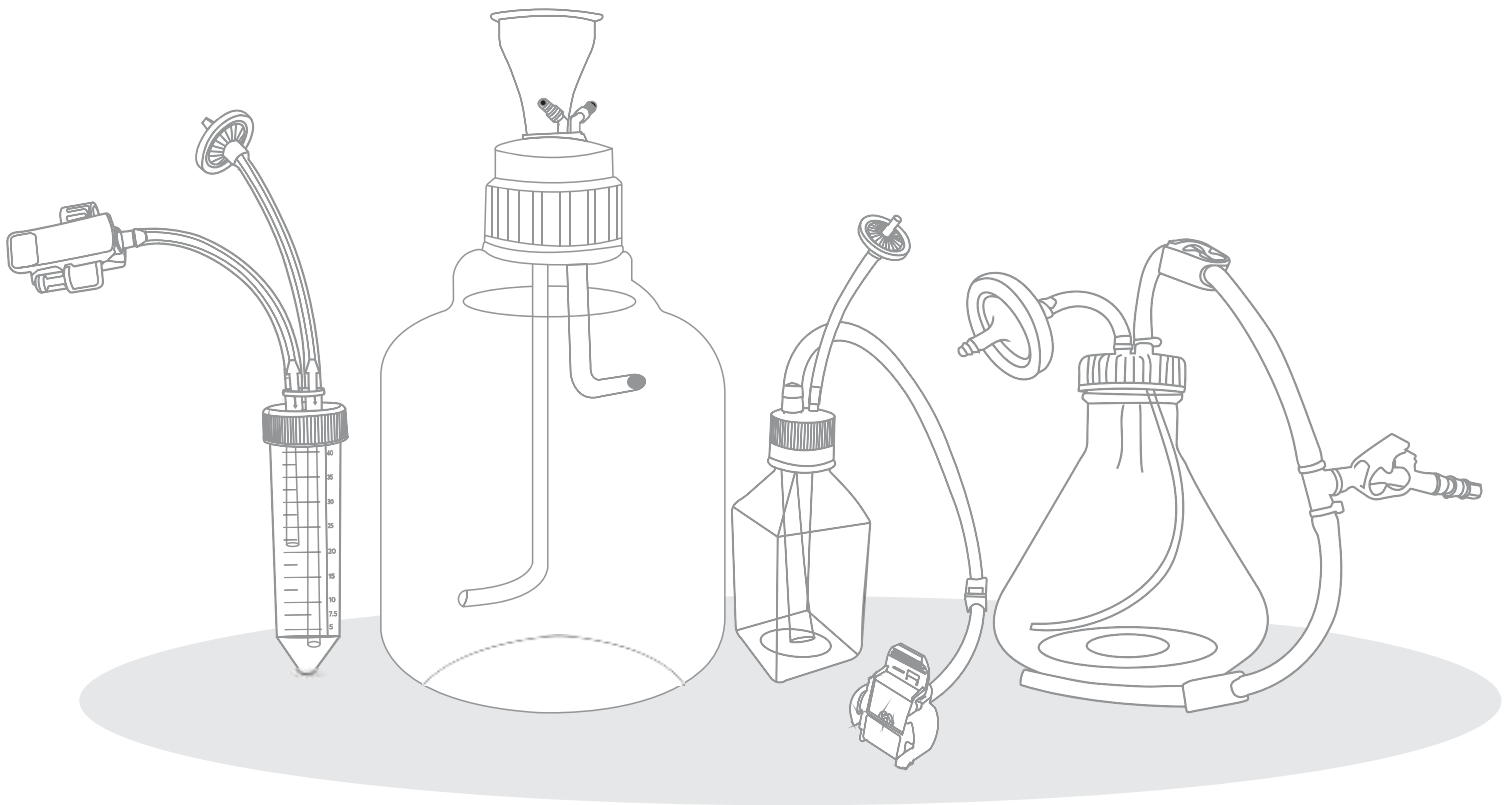
Or

Reach out to us directly on  
[contact@accumax-neuation.com](mailto:contact@accumax-neuation.com)

**ΔACCUMAX**

**Accumax Lab Devices Pvt. Ltd.**  
E: [Contact@accumax-neuation.com](mailto:Contact@accumax-neuation.com)  
W: [www.accumaxlab.com](http://www.accumaxlab.com)

# ACCUMAX



**BioMax<sup>®</sup> 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

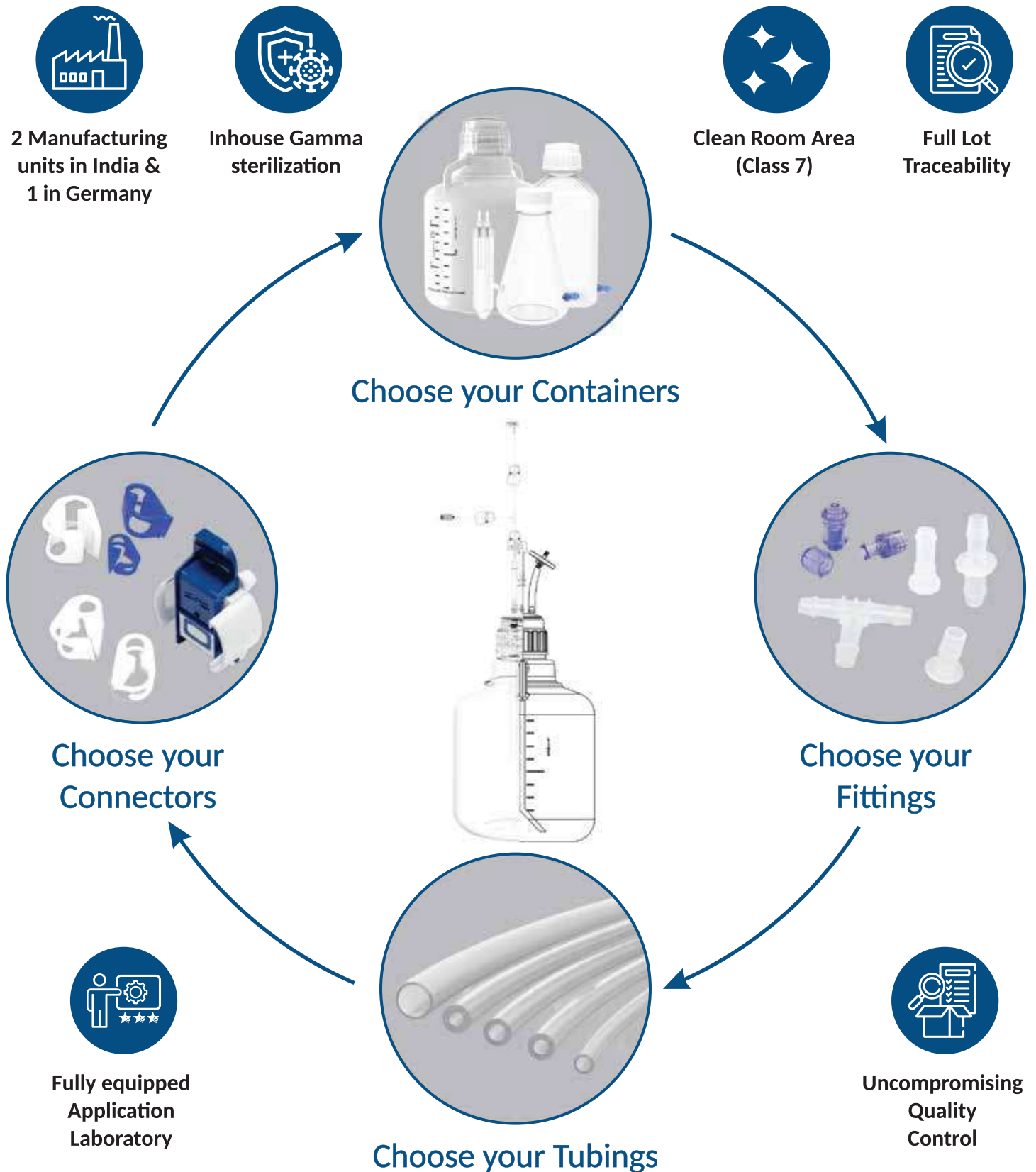


### Fast-Track Fulfillment

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.



## 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

## BioMax Mixing Carboy with/without Powder Port



- ▶ 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
- ▶ **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  $10^{-6}$

## 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<sup>-6</sup>

## 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 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<sup>-6</sup>

### 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

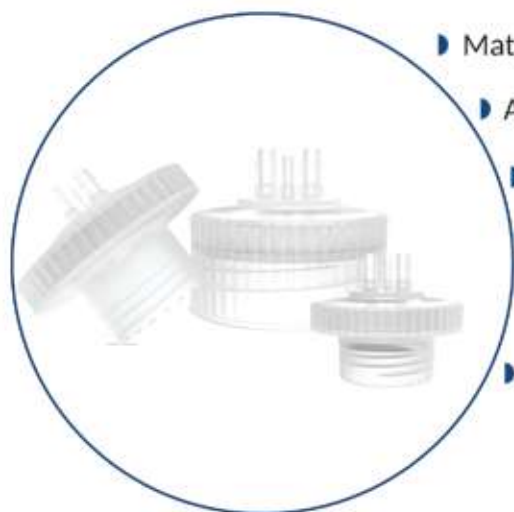


- ▶ Manufactured in ISO Class 7 cleanroom for the highest sterility and quality standards
- ▶ Certified Quality - ISO 13485 certified quality management system
- ▶ High burst strength ensures durability under demanding conditions
- ▶ 100% integrity tested with rigorous pressure leak tests for reliability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

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<sup>2</sup> 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 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

# ΔACCUMAX

**Accumax Lab Devices Pvt. Ltd.**

[contact@accumax-neuation.com](mailto:contact@accumax-neuation.com) | [www.accumaxlab.com](http://www.accumaxlab.com)

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