

**Hycon**  
*Plastics*

+  
**Laboratory  
Consumables**



+  
**Premium  
Quality**

**HyconBio™**



## Plastic Laboratory Consumables

- Hycon Plastics' products are manufactured by ISO 9001 and ISO 13485 certified companies for Quality Management System. Our products are produced with no compromise on quality and comply with the essential requirements of the applicable EC directives 98/79/EC for medical devices.
- Hycon Plastics' products are manufactured from the finest quality of raw materials coupled with state-of-the-art technologies and expertise in precision plastic injection molding technique.
- Hycon Plastics' products offer an extensive range of laboratory consumables which enhances customers' productivities and services with cost efficiency.
- Hycon Plastics' name stands for quality you can rely on

## Premium Quality

## Laboratory Consumables

- HyconBio™'s products are designed and manufactured by ISO 9001 and ISO 13485 certified companies for Quality Management System. Our products are produced according to Good Manufacturing Practices (GMP) and comply with the essential requirements of the applicable EC directives 98/79/EC for medical devices.
- HyconBio™'s products are manufactured in class 100,000 clean room (ISO 8) for protection against airborne particle contamination and to ensure the highest standard of purity.
- HyconBio™'s products are sterile, certified DNA, DNase, RNase, pyrogen free, and meet the highest quality levels. They are suitable and effective solution to specific needs of clinical and research laboratory.
- HyconBio™'s name stands for premium quality you can rely on

# Hycon

*Plastics*

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# Pipette Tips

**Hycon**  
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- Pipette tips are designed to fit and function with most “branded” micropipettes
- Made from the highest quality, virgin and dye-free polypropylene eliminating any risk of contamination
- Each lot is tested for fit and function to provide the same performance as brand name tips
- Packaged in re-sealable bags

**10µl**



**200µl**



**1000µl**



Product code	Item Description	Volume	Packaging
HCE-1010-TIP	Gilson crystal, graduated, Color: Natural	10µl	1000 pcs/bag
HCE-1111-TIP	Gilson graduated, beveled, Color: Yellow	200µl	1000 pcs/bag
HCE-1013-TIP	Universal Gilson, Color: Blue	1000µl	1000 pcs/bag

# Transfer Pipettes

**Hycon**  
*Plastics*

- Safe, reliable, convenient alternative to glass Pasteur pipettes
- Made of special non-toxic LDPE
- Excellent transparency with easy to read graduations

**1ml**



## 1 ml Transfer pipette

Capacity	5 ml
Total Length	150 mm
Dropper/ml	25
Stem Diameter	4.8 mm
Bulb Draw	3.4 ml
Graduated Up to	1 ml
Graduated increase	0.25 ml

**3ml**



## 3 ml Transfer pipette

Capacity	7 ml
Total Length	160 mm
Dropper/ml	21
Stem Diameter	7.8 mm
Bulb Draw	3.5 ml
Graduated Up to	3 ml
Graduated increase	0.5 ml

Product code	Item Description	Volume	Packaging
HCF-1015-TRA	Transfer pipette, non-sterile	1 ml	500 pcs/bag
HCF-1016-TRA	Transfer pipette, non-sterile	3 ml	250 pcs/bag

# Petri Dish

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- Sterile Petri Dishes are produced from FDA certificated virgin polystyrene and by ISO 13485 certified manufacturer
- CE marked in accordance with European Directive 98/79/EC
- Have three venting ribs into the underside of the lid to prevent condensation
- Available in one and two compartments
- Sterile by Ethylene Oxide (ETO)

Product code	Item Description	Vents	Base Dia.mm	Overall H.mm	Packaging
HCK-1004-PET	90x15 mm	Triple	89	16.2	500 pairs
HCK-1003-PET	90x15 mm, 2 compartments	Triple	89	16.2	500 pairs



# Analyzer Cups

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2 ml

0.5 ml

1.5 ml

- Analyzer cups are produced from medical grade virgin polystyrene.
- Analyzer cups are precision molded with graduations and conical bottoms for efficient aspiration.
- Analyzer cups are range comprehensive featuring sizes and shapes suitable for most brands of analyzers.

Product code	Item Description	Volume	Packaging
HCC-1001-CUP	Analyzer cups: Hitachi 7150,7060 series, Aulinbas	2.0 ml	500 pcs/bag
HCC-1002-CUP	Analyzer cup: American Beckman CX series	0.5 ml	1,000 pcs/bag
HCC-1004-CUP	Analyzer cup: American Beckman 700, American Dupont Holland, VITALAB	1.5 ml	1,000 pcs/bag

# Test Tubes

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- Made of virgin polystyrene and polypropylene
- They are suitable for use with aqueous solutions, mild bases and weak acids but not contact with volatile chemicals.
- Polystyrene (PS) tubes:
  - Transparent
  - Tubes can withstand centrifugation up to 1400g and temperature at 80°C
- Polypropylene (PP) tubes:
  - Opaque, break-resistant
  - Tubes can withstand centrifugation speeds over 3000g and temperature at 121°C

Product code	Item Description	Size	Packaging
HCG-1100-TPS	Test tube, Polystyrene (PS)	12x75 mm	500 pcs/bag
HCG-1021-TPP	Test tube, Polypropylene (PP)	12x75 mm	500 pcs/bag
HCG-1002-TPS	Test tube, Polystyrene (PS)	13x100 mm	500 pcs/bag
HCG-1112-TPP	Test tube, Polypropylene (PP)	13x100 mm	500 pcs/bag

# Test Tube Stoppers

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- Type: Flange cap plug
- Have two flexible flanges to ensure a leak-proof seal
- Made of polyethylene for test tubes with O.D. from 12mm to 13mm
- Caps feature a unique fluted design that grips plastic or glass tubes snugly
- Packaged in re-sealable zip lock bags

Product code	Item Description	Size	Packaging
HCC-1213-CAP	Flange plug cap, Polyethylene	12-13 mm	1,000 pcs/bag

# Micro-Centrifuge Tubes

**Hycon**  
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- Made of virgin polypropylene
- Graduated, flat, and frosted caps surface
- Max rotate speed up to 16,000g
- Autoclavable at 121°C and freezable to -80°C
- Tube flange also helps to prevent thumb from touching the cap plug while it is opened.
- Packaged in re-sealable zip lock bags

Product code	Item Description	Volume	Packaging
HCE-1004-MIC	Micro-centrifuge tubes, non-sterile	1.5ml	1,000 pcs/bag

# Centrifuge Tubes

**Hycon**  
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- Made of virgin polypropylene
- Graduations are printed in bold, accurate, and easy to read
- Special design on cap, easily open by one hand
- Max rotate speed up to 12,000g for 15ml tube and 9,500g for 50ml tube
- Autoclavable at 121°C and freezable to -80°C
- Packaged in re-sealable zip lock bags

Product code	Item Description	Volume	Packaging
HCD-1001-CEN	Centrifuge tubes, non-sterile	50ml	50 pcs/bag
HCD-1003-CEN	Centrifuge tubes, non-sterile	15ml	50 pcs/bag

# Sterile Pipette Tips

**HycanBio™**



- Universal pipette tips, fit for use with all major brands of pipettors
- Made of prime virgin polypropylene
- Crystal clear with graduation marks
- Tips and racks are autoclavable at 121 °C
- Packaged pre-racked and sterile
- Certified DNA, DNase, RNase free, and non-pyrogenic

**10µl**



**200µl**



**1000µl**



Product code	Item Description	Volume	Packaging
HCB-PPTR-010	Universal pipette tips (extra long), racked/sterile, DNase/RNase free	10µl	96 tips/rack
			10 racks/box
HCB-PPTR-200	Universal pipette tips, racked/sterile, DNase/RNase free	200µl	96 tips/rack
			10 racks/box
HCB-PPT1-000	Universal pipette tips (extra long), racked/sterile, DNase/RNase free	1000µl	96 tips/rack
			10 racks/box

# Sterile Filter Pipette Tips

**HycanBio™**



- Universal pipette tips, fit for use with all major brands of pipettors
- Tips are made of prime virgin polypropylene and filters are made of UHMW-PE
- Crystal clear with graduation marks
- Tips and racks are autoclavable at 121 °C
- Packaged pre-racked and sterile
- Certified DNA, DNase, RNase free, and non-pyrogenic
- Ideal for handling infectious materials or assays involving PCR techniques

**10µl**



**20µl**



**100µl**



**200µl**



**1000µl**



Product code	Item Description	Volume	Packaging
HCB-FPTR-010	Universal filter pipette tips (extra long), racked/sterile, DNase/RNase free	10µl	96 tips/rack
			10 racks/box
HCB-FPTR-020	Universal filter pipette tips, racked/sterile, DNase/RNase free	20µl	96 tips/rack
			10 racks/box
HCB-FPTR-100	Universal filter pipette tips, racked/sterile, DNase/RNase free	100µl	96 tips/rack
			10 racks/box
HCB-FPTR-200	Universal filter pipette tips, racked/sterile, DNase/RNase free	200µl	96 tips/rack
			10 racks/box
HCB-FPT1-000	Universal filter pipette tips (extra long), racked/sterile, DNase/RNase free	1000µl	96 tips/rack
			10 racks/box

# Sterile PCR Tubes

**HyconBio™**



- High quality PCR tubes with flat/domed and frosted cap for easy labeling
- Great flexibility in opening and closing
- Made of prime virgin polypropylene
- Low-binding, crystal clear, and features uniform thin wall, which allows precise thermal transfer
- Can be used in many block regular and real-time thermal cyclers
- Sterile and certified DNA, DNase, RNase free, and non-pyrogenic



Product code	Item Description	Volume	Packaging
HCB-PCRB-02F	PCR tubes, thin wall with flat cap, bagged/sterile, DNase/RNase free	0.2ml	1000 pcs/bag
HCB-PCRB-02D	PCR tubes, thin wall with domed cap, bagged/sterile, DNase/RNase free	0.2ml	1000 pcs/bag
HCB-PCRB-050	PCR tubes, thin wall with flat cap, bagged/sterile, DNase/RNase free	0.5ml	1000 pcs/bag



## Sterile Micro-Centrifuge Tubes

**HycanBio™**



- Made from prime virgin polypropylene
- Graduated, flat, and frosted caps surface
- Max rotate speed up to 16,000g
- Autoclavable at 121°C and freezable to -80°C
- Packaged in resealable bags
- Sterile and certified DNA, DNase, RNase free, and non-pyrogenic



Product code	Item Description	Volume	Packaging
HCB-MCTB-150	Micro-centrifuge tubes, bagged/sterile, DNase/RNase free	1.5ml	500 pcs/bag

# Sterile Centrifuge Tubes

**HycanBio™**



- Made of prime virgin polypropylene
- Graduations are printed in bold, accurate, and easy to read
- Special design on cap, easily open by one hand
- Max rotate speed up to 12,000g for 15ml tube and 9,500g for 50ml tube
- Autoclavable at 121°C and freezable to -80°C
- Sterile packed in foam rack
- Certified DNA, DNase, RNase free, and non-pyrogenic

Product code	Item Description	Volume	Packaging
HCB-CTTR-015	Centrifuge tubes, foam racked/Sterile, DNase/RNase free	15ml	50 pcs/rack
HCB-CTTR-050	Centrifuge tubes, foam racked/Sterile, DNase/RNase free	50ml	25 pcs/rack

# Sterile Cryogenic Vials

**HyconBio™**



**2.0 ml**



**1.8-2.0 ml**

- Made of specially formulated polypropylene
- Freezable at  $-196^{\circ}\text{C}$
- Interlocking cap designs ensure exact fit and will not absorb water or other contamination
- Graduations are accurate and easy to read
- Screw cap with plug seal for one-handed operation
- Sterile and certified DNA, DNase, RNase free, and non-pyrogenic

Product code	Item Description	Volume	Packaging
HCB-CGVB-200	Cryogenic vials, bagged/sterile, DNase/RNase free, internal threads	2.0 ml	25 pcs/bag
HCB-CGVB-180	Cryogenic vials, bagged/sterile, DNase/RNase free, external threads	1.8-2.0 ml	25 pcs/bag

# Sterile Transfer Pipettes

**HyconBio™**

**1ml**



**3ml**



- Safe, reliable, convenient alternative to glass Pasteur pipettes
- Made of special non-toxic LDPE
- Excellent transparency with easy to read graduations
- Individual sterile peel pack

Product code	Item Description	Volume	Packaging
HCB-TPIB-100	General purpose transfer pipette, individually packed, sterile	1.0 ml	500 packs/box
HCB-TPIB-300	General purpose transfer pipette, individually packed, sterile	3.0 ml	500 packs/box

# Properties of plastics

## Physical Properties

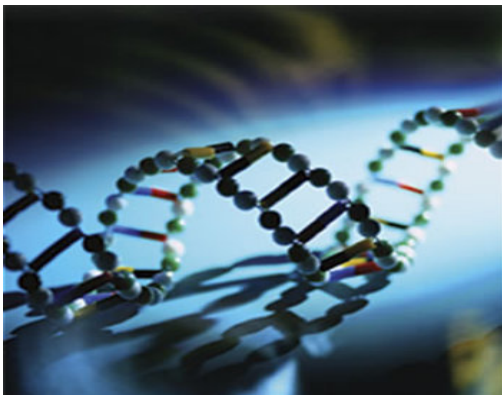
Process	Polystyrene	Polypropylene	High Density Polyethylene	Low Density Polyethylene	Acrylic*
Autoclavable	NO	YES	NO	NO	NO
Chemical Sterilization	NO	YES	YES	YES	NO
Dry Heat Sterilization at 160°C	NO	NO	NO	NO	NO
Radiation Sterilization	YES	YES	YES	YES	YES
Gas Sterilization, Ethylene Oxide	YES	YES	YES	YES	YES
Brittle Temperature	0°C (32°F)	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)	-
Heat Distortion Temperature	70°C (158°F)	135°C (275°F)	121°C (250°F)	50°C (90°F)	50°C (90°F)
Specific Gravity	1.040	0.903	0.944	0.92	1.20
Transparency	Clear	Translucent	Translucent	Translucent	Clear

\* *Polymethyl Methacrylate*

# Chemical Compatibilities

	Polypropylene	Polyethylene	Polystyrene	Acrylic*
Aliphatic Hydrocarbons	Fair	Fair	Poor	Good
Aromatic Hydrocarbons	Fair	Fair	Poor	Poor
Full Halogenated Hydrocarbons	Poor	Poor	Poor	Poor
Partially Halogenated Hydrocarbons	Poor	Poor	Poor	Poor
Alcohols – Monohydric	Good	Fair	Good	Poor
Polyhydric	Excellent	Good	Good	Poor
Phenols	Poor	Excellent	Poor	Poor
Ketones	Good	Good	Poor	Poor
Esters	Good	Good	Poor	Poor
Ethers	Fair	Good	Poor	Poor
Inorganic Acids – Concentrated	Excellent	Good	Fair	Fair
Inorganic Acids – Dilute	Excellent	Excellent	Good	Good
Bases – Concentrated	Excellent	Good	Fair	Fair
Bases – Dilute	Excellent	Good	Excellent	Fair
Salts – Acid	Excellent	Excellent	Good	Good
Neutral	Excellent	Excellent	Excellent	Good
Basic	Excellent	Excellent	Good	Good
Organic Acids – Concentrated	Good	Excellent	Poor	Poor
Organic Acids – Dilute	Excellent	Excellent	Fair	Poor
Oxidizing Agents – Concentrated	Poor	Poor	Poor	Poor
Oxidizing Agents – Dilute	Good	Good	Fair	Poor





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