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# Plasticware & Other

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## Plastic Beakers with handle



PP/PMP Beakers

- Sturdy handle for comfortable and safe pouring. Large volume can be conveniently handled by holding it one hand.
- Round inner design of handle to deliver less fatigue to your hand.
- Material selection between polypropylene and polymethylpentene.
- Autoclavable for reuse.
- Unbreakable with normal use. (ISO 7056)
- Sharp pouring spout enables dripless pouring for accurate handling even high viscosity media.
- Efficient space saving stackable design. Handle can be located in any direction when stacking beaker.
- High chemical resistance against acids, alkali.
- Graduated with easy to read markings.
- Flat bottom for use with magnetic stirrer.



Model		Plastic Beakers with handle			
Capacity (ml)		500	1000	2000	
Graduation (ml)		10	20	50	
Dimension (øxH, mm / inch)		148x95x134 / 5.8x3.7x5.3	183x121x166 / 7.2x4.8x6.5	221x149x212 / 8.7x5.9x8.3	
Autoclavable		O (121°C for PP, 135°C for PMP)			
Cat. No.	PP (polypropylene)	1ea	<b>PER0041</b>	<b>AAAM20411</b>	<b>AAAM20511</b>
		5ea	<b>PER0041-5</b>	<b>AAAM20412</b>	<b>AAAM20512</b>
	PMP (polymethylpentene)	1ea	<b>PER0042</b>	<b>AAAM30411</b>	<b>AAAM30511</b>
		5ea	<b>PER0042-5</b>	<b>AAAM30412</b>	<b>AAAM30512</b>

# Beakers

## Disposable Beakers



- Disposable or autoclaved for reuse.
- Unbreakable with normal use.
- Molded with three special lips.
  - Dripless pouring high viscosity media.
  - Easily stacking and unstacking.
- Transparent polypropylene material for excellent clarity and high chemical resistance.
- Graduated with easy to read markings.
- Flat bottom for use with magnetic stirrer.

Model		Disposable Beakers				
Capacity (ml)		50	100	250	500	
Graduation (ml)		5	5	10	20	
Dimension (øxH, mm / inch)		45x55 / 1.8x2.2	56x69 / 2.2x2.7	77x92 / 3.0x3.6	96x116 / 3.8x4.6	
Autoclavable		O (121°C)				
Cat. No.	PP (polypropylene)	10ea	<b>AAAM1002</b>	<b>AAAM1012</b>	<b>AAAM1022</b>	<b>AAAM1032</b>
		100ea	<b>AAAM1003</b>	<b>AAAM1013</b>	<b>AAAM1023</b>	<b>AAAM1033</b>

## Plastic Beakers



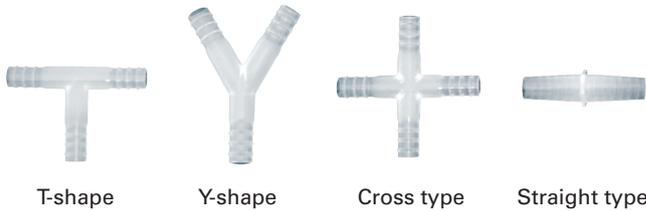
PP Beakers

PMP Beakers

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- Autoclaved for reuse.
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- Graduated with easy to read markings.
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Model		Plastic Beakers					
Capacity (ml)		100	250	500	1000	2000	
Graduation (ml)		5	10	20	50	100	
Dimension (øxH, mm / inch)		61x72 / 2.4x2.8	81x95 / 3.2x3.7	101x119 / 3.9x4.7	125x148 / 4.9x5.8	157x186 / 6.2x7.3	
Autoclavable		O (121°C for PP, 135°C for PMP)					
Cat. No.	PP (polypropylene)	1ea	<b>AAAM2011</b>	<b>AAAM2021</b>	<b>AAAM2031</b>	<b>AAAM2041</b>	<b>AAAM2051</b>
		10ea	<b>AAAM2012</b>	<b>AAAM2022</b>	<b>AAAM2032</b>	-	-
		5ea	-	-	-	<b>AAAM2042</b>	<b>AAAM2052</b>
	PMP (polymethylpentene)	1ea	<b>AAAM3011</b>	<b>AAAM3021</b>	<b>AAAM3031</b>	<b>AAAM3041</b>	<b>AAAM3051</b>
		10ea	<b>AAAM3012</b>	<b>AAAM3022</b>	<b>AAAM3032</b>	-	-
		5ea	-	-	-	<b>AAAM3042</b>	<b>AAAM3052</b>

## Tubing Connectors



- Chemical resistant polypropylene.
- Autoclavable (121°C)
- Barbed fitting on each side secures attachment of tubing.
- Four different types tubing connectors.
  - T-shape, Y-shape, Cross type, Straight type.
- Various sizes from 3.2mm to 12.7mm.

Outer Dia. (mm / inch)		Quantity (ea)	T-shape	Y-shape	Cross type	Straight type
3.2	1/8	50	AAAM5002	AAAM5072	AAAM5142	AAAM5212
		100	AAAM5003	AAAM5073	AAAM5143	AAAM5213
4	5/32	50	AAAM5012	AAAM5082	AAAM5152	-
		100	AAAM5013	AAAM5083	AAAM5153	-
4.7	3/16	50	AAAM5022	AAAM5092	AAAM5162	AAAM5222
		100	AAAM5023	AAAM5093	AAAM5163	AAAM5223
6	1/4	50	AAAM5032	AAAM5102	AAAM5172	AAAM5232
		100	AAAM5033	AAAM5103	AAAM5173	AAAM5233
8	5/16	50	AAAM5042	AAAM5112	AAAM5182	-
		100	AAAM5043	AAAM5113	AAAM5183	-
9.5	3/8	50	AAAM5052	AAAM5122	AAAM5192	AAAM5242
		100	AAAM5053	AAAM5123	AAAM5193	AAAM5243
12.7	1/2	50	AAAM5062	AAAM5132	AAAM5202	AAAM5252
		100	AAAM5063	AAAM5133	AAAM5203	AAAM5253

## Carboys



Round type (DBR-10 / DBR-20)



Rectangular type (DBC-05 / DBC-10)

- Great for storing and dispensing solutions.
- Sturdy carboys have a spigot which is molded in to the body for convenience and strength.
- Space-saving design for storing liquid solvent.
- HDPE container features durable and excellent chemical resistance.
- Spigot provides easy dispensing and leak resistance.
- The amount of liquid solvent is easily adjustable by spigot tap's angle.
- Molded in shoulder handles provide great convenience and strength.
- Gradations for easy checking.
  - DBR models : gradations on the side and front of the body are great for checking the volume of media at any side of view.
  - DBC models : gradations on the front and bottom for convenience of storing media even when you stand the carboy up.

Model	DBR-10	DBR-20	DBC-05	DBC-10
Description	Round type		Rectangular type	
Material (body / cap / spigot)	HDPE (High-density polyethylene)			
Volume (L / gal)	10 / 2.64	20 / 5.28	5 / 1.32	10 / 2.64
Tubing inner dia. (mm / inch)	15.9 / 5/8 (when used with provided spigot adapter : 6.35 to 7.94 / 1/4to 5/16)			
Filling inlet inner dia. (mm / inch)	73 / 2.9	74 / 2.9	49 / 1.9	ø 72 / 2.8
Dimension (WXDXH, mm / inch)	225 x 277 x 399 / 8.9 x 10.9 x 15.7	260 x 317 x 539 / 10.2 x 12.5 x 21.2	114 x 387 x 305 / 4.5 x 15.2 x 12	204 x 387 x 317 / 8 x 15.2 x 12.5
Net weight (kg / lbs)	1.5 / 3.3	2.1 / 4.6	1.4 / 3.1	1.8 / 4
Cat. No.	AAAJ3021	AAAJ3031	AAAJ3111	AAAJ3121

# Flask Supports / Ice Pan / On-ice Rack

## Flask Supports



- It's concave recessed, secure, and safe multi-volume flask holder.
- Polypropylene body is chemically resistant to various organic solvents.
- Convenient grip for easy carrying
- Noticeable name tag for classification
- Able to hold ice Multi-purpose holder
- Heat Resistance: -30°C to 121°C

Model	FT 010 13	FT 010 34	FT 025 12	FT 025 23	FT 050 12	FT 100 12	FT 200 12
Capacity (ml)	100	100	250	250	500	1000	2000
Row x Column	1 x 3	3 x 4	1 x 2	2 x 3	1 x 2	1 x 2	1 x 2
Hole (Dia.xH) (mm / inch)	70x91 / 2.76x3.58	70x91 / 2.76x3.58	98x122 / 3.86x4.8	98x122 / 3.86x4.8	121x128 / 4.76x5.04	148x156 / 5.83x6.14	183x188 / 7.2x7.4
Dimension (WxDxH)(mm / inch)	310x100x100 / 12.2x3.94x3.94	384x265x98 / 15.12x10.43x3.86	280x125x130 / 11.02x4.92x5.12	389x239x130 / 15.31x9.41x5.12	360x146x135 / 14.17x5.75x5.31	415x192x165 / 16.34x7.56x6.5	503x223x199 / 19.8x8.78x7.83
Cat. No.	AAA23706	AAA23701	AAA23707	AAA23702	AAA23706	AAA23701	AAA23707

## Ice Pan / On-ice Rack



- Ice pan keeps bottles, test tubes, and temperature-sensitive samples cool for hours.
- Rigid one molded urethane foam construction provides high durability and excellent insulating properties.
- Water proof, leak proof, unbreakable with normal use.
- Rim enables safe handling and transport.
- Ice pan can be used with on-ice racks (optional) for higher heat transfer. Scratch-proof and high heat transfer aluminum rack with easy tube identification. (numbers carved into the rack)
- Heat resistance: -196°C to 80°C

### Ice Pan

Model	IBS-310
Material	Urethane foam
Volume (L / cu ft)	4 / 0.14
Dimension (WxDxH) (mm / inch)	347x257x132 / 13.7x10.1x5.2
Net weight (kg / lbs)	1.4 / 3.1
Cat. No.	AAAJ2801

### Optional Accessory - On-ice Rack

Model	JCB-150
Material	Aluminum
Dimension (WxDxH, mm)	157.5 x 151.5 x 21.1
Max. mountable tube	1.5ml micro tube x 50ea 0.2ml micro tube x 64ea
Cat. No.	AAAJ2011



## Conical Tube Racks



- Chemical resistance ABS racks and PC rack are available.
- Use each rack itself alone and also it is suitable for use with Microplate Shakers. (for ABS racks)
- Autoclavable (for PC rack)

Model	15ml Conical Tube Rack	50ml Conical Tube Rack	
Material	ABS (acrylonitrile-butadienestyrene)	ABS (acrylonitrile - butadienestyrene)	PC (polycarbonate)
Capacity (ml)	15	50	
Dimension (WxDxH) (mm / inch)	269x85x72 / 10.6x3.3x2.8	269x85x72 / 10.6x3.3x2.8	263x55x55 / 10.4x2.2x2.2
Max. mountable tube	30 (3 x 10)	12 (2 x 6)	6 (1 x 6)
Autoclavable	-	-	O
Cat. No.	<b>CPS0011JT</b>	<b>CPS0012JT</b>	<b>AAAJ2211</b>

## Centrifuge Tube Rack



- Autoclavable and chemical resistance PC rack.
- Hold six 30 ml centrifuge tubes.

Model	30ml Centrifuge Tube Rack
Material	PC (polycarbonate)
Capacity (ml)	30
Dimension (WxDxH) (mm / inch)	263x55x55, $\varnothing$ 25.7 / 10.4x2.2x2.2, $\varnothing$ 1.0
Max. mountable tube	6 (1 x 6)
Autoclavable	O
Cat. No.	<b>AAAJ2111</b>

## Micro Tube Rack



- Autoclavable and chemical resistance PC rack.
- Included transparent cap has a recessed area allowing stacking.
- Use each rack itself alone and also it is suitable for use with Microplate Shakers.
- Hold eighty 1.5/2.0 ml micro tubes on one side or eighty 1.2/0.5 ml micro tubes on the other.

Model	Micro Tube Rack with Cap
Material	PC (polycarbonate)
Capacity (ml)	1.5/2.0, 0.5/1.2 on each side
Dimension (WxDxH) (mm / inch)	269x90x50 (cap included) / 10.6x3.5x2.0
Max. mountable tube	80 (5x16), each side
Autoclavable	O
Cat. No.	<b>AAAJ2311</b>

# Cryo Boxes / Storage Boxes

## Cryo Boxes



- Designed for ultra-low temperature storage of biological materials.
- Ideal for use in mechanical freezers and liquid nitrogen tanks.
- Autoclavable and polycarbonate chemical resistance materials.
- Rack can be disassembled from the tray for easy maintenance. (for CRB-81S/T)
- Storage inside of the liquid nitrogen tank is available.
- Transparent lid with alphanumerical inscription is beneficial for clear sample's monitoring and easy sample arrangement.
- Heat Resistance : -196°C to 121°C

Model	CRB-25	CRB-81S	CRB-81T
Material	PC (polycarbonate)		
Tube size (ml)	1.2 to 2.0	1.2 to 2.0	5
Max. mountable tube	25 (5×5)	81 (9×9)	81 (9×9)
Dimension (WxDxH) (mm / inch)	77×77×53 / 3.0×3.0×2.1	132×132×54 / 5.2×5.2×2.1	132×132×96 / 5.2×5.2×3.8
Cat. No.	AAAJ7001	AAAJ7002	AAAJ7003

※ 5ea for 1 set.

## Storage Boxes



- Suitable for storage of samples in general conditions.
- Autoclavable and polypropylene chemical resistance materials.
- Transparent lid with locking clasp keeps samples secure while offering a clear view of samples.
- Each groove on the bottom assists settling each tube stable and tight inside of the body.
- Alphanumerical grid on the lid for easy handling and identifying samples.
- Heat Resistance: -20°C to 121°C

Model	SRB-100
Material	PP (Polypropylene)
Tube size (ml)	1.2 to 2.0
Max. mountable tube	100 (10×10)
Dimension (WxDxH) (mm / inch)	140×140×53 / 5.5×5.5×2.1
Cat. No.	AAAJ7011

※ 5ea for 1 set.

## Clamp Holders



C-20



C-10



C-7



C-5

- Clamp holders are ideal for use with overhead stirrers and hotplate stirrers.
- Adjustable to fit support rods up to 5/8" in. diameter.
- Lightweight, also selectable aluminum or polypropylene clamp holders.
- One-molded knob with fixing screw for strong support
- Nonskid contact surface tightens stand rod stably.
- C-20, C-10 for overhead stirrers and C-10, C-7, C-5 for hotplate stirrers.

Model	C-20	C-10	C-7	C-5
Max. dia. (Ø, mm)	27	17	12	12
Opening dia. (Ø, mm)	20	15	-	-
Material (body / knob / bolt)	Aluminum / Polypropylene / Stainless steel			Polypropylene
Cat. No.	AAA37511	AAA37512	AAA37513	AAA37514

## Magnetic Drives



Application of magnetic drive



- Magnetic drives are designed for agitating a fully vacuumed flask. Multi-functional easy to replace impeller.
- Use of rare-earth elements which is Neodymium (Nd), Samarium (Sm-Co) magnet.
- High-speed rpm, vibration free.
- Specifically designed with permanent magnets which has a dynamic torque rating.
- Small size and powerful rotating magnetic drive is useful both for laboratory and manufacturing applications.

Model	MD-T6-24	MD-T6-29	MD-T6-34
Ground joint	24 / 40	29 / 42	34 / 45
Material	Body / Housing	SUS316L / CR-PLATE	
	Bushing / Seal	PTFE / Viton	
Driving	Vacuum	Max. 1×10 <sup>-4</sup> mmHg	
	Pressure	Max. 5kg / cm <sup>2</sup>	
	Temp	Max. 70°C (without cooling), Max. 300°C (with cooling)	
Shaft dia. (Ø, mm / inch)	8 / 5/16		
Cooling in/out dia. (Ø, mm / inch)	3.2 / 1/8		
Dimension (Ø×L, mm / inch)	50×200 / 2×7.9		
Net weight (kg / lbs)	1.02 / 2.25	1.04 / 2.29	1.08 / 2.38
Cat. No.	BEA511001	BEA511002	BEA511003