

TARSONS

LABWARE CATALOG 2018

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TARSONS - LABWARE CATALOG 2018

Arindita Chakrabarti - Tarson Press



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001 Boston Round Diagnostic Bottle

Material: HDPE Bottle/PP Closure - Medical Grade resin conforming to USP Class VI
 • Translucent • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids
 • Good for freezer storage at -100°C
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T583170	4	1/8	13	12	72
T583180	8	1/4	20	12	72
T583190	15	1/2	20	12	72

001

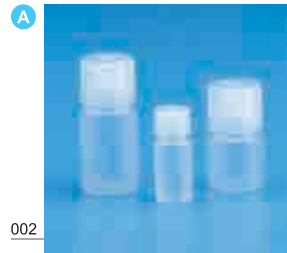


002 Boston Round Diagnostic Bottle

Material: PP Bottle/PP Closure - Autoclavable - Medical Grade resin conforming to USP Class VI
 • Translucent • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T582070	4	1/8	13	12	72
T582080	8	1/4	20	12	72
T582090	15	1/2	20	12	72

002



003 Boston Round Diagnostic Bottle

Material: LDPE Bottle/PP Closure - Medical Grade resin conforming to USP Class VI
 • Higher Transparency than HDPE • Flexible with excellent impact resistance • Linerless leak proof closure with integral seal ring • Ideal for liquids • Good for freezer storage at -100°C
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T586080	8	1/4	20	12	72
T586090	15	1/2	20	12	72

003



004 Amber Boston Round Diagnostic Bottle

Material: Amber HDPE Bottle/Amber PP Closure - Medical Grade resin conforming to USP Class VI
 • Reduce UV light transmission to help protect light sensitive liquids • Amber bottles comply with US Pharmacopoeia 23.661 requirements for maximum light transmission • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids • Good for freezer storage at -100°C
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T581170	4	1/8	13	12	72
T581180	8	1/4	20	12	72
T581190	15	1/2	20	12	72

004



005 Boston Round Narrow Mouth Bottle

Material: HDPE Bottle/PP Closure - Medical Grade resin conforming to USP Class VI
 • Translucent • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids
 • Good for freezer storage at -100°C
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T583100	30	1	20	12	72
T583110	60	2	20	12	72
T583120	125	4	24	12	72
T583130	250	8	24	12	72
T583140	500	16	24	12	48
T583150	1000	32	38	6	24

005



006 Boston Round Narrow Mouth Bottle

Material: PP Bottle/PP Closure - Medical Grade resin conforming to USP Class VI
 • Translucent • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids
 • Autoclavable
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T582100	30	1	20	12	72
T582110	60	2	20	12	72
T582120	125	4	24	12	72
T582130	250	8	24	12	72
T582140	500	16	24	12	48
T582150	1000	32	38	6	24

006



007 Boston Round Narrow Mouth Bottle

Material: LDPE Bottle/PP Closure - Medical Grade resin conforming to USP Class VI
 • Higher Transparency than HDPE • Flexible with excellent impact resistance • Linerless leak proof closure with integral seal ring • Ideal for liquids • Good for freezer storage at -100°C
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T586200	30	1	20	12	72
T586210	60	2	20	12	72
T586220	125	4	24	12	72
T586230	250	8	24	12	72
T582240	500	16	24	12	48
T582250	1000	32	38	6	24

007



008 Amber Boston Round Narrow Mouth Bottle

Material: Amber HDPE Bottle/Amber PP Closure - Medical Grade resin conforming to USP Class VI
 • Reduce UV light transmission to help protect light sensitive liquids • Amber bottles comply with US Pharmacopoeia 23.661 requirements for maximum light transmission • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids • Good for freezer storage at -100°C
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T581200	30	1	20	12	72
T581210	60	2	20	12	72
T581220	125	4	24	12	72
T581230	250	8	24	12	72
T581240	500	16	24	12	48
T581250	1000	32	38	6	24

008



009 Large Round Narrow Mouth Bottle

Material: LDPE Bottle/PP Closure - Medical Grade resin conforming to USP Class VI
 • Higher Transparency than HDPE • Flexible with excellent impact resistance • Linerless leak proof closure with integral seal ring • Ideal for collecting and storing liquids • Good for freezer storage at -100°C • 4L and 8L bottles have a built in shoulder loop for attaching an identification tag
 * **Application:** Storage, Packing and Shipping

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T586260	2	1/2	38	1	6
T586280	4	1	38	1	6
T586290	8	2	53	1	6



009

010 Large Round Narrow Mouth Bottle

Material: PP Bottle/PP Closure - Medical Grade resin conforming to USP Class VI
 • Translucent • Linerless leak proof closure with integral seal ring • Ideal for collecting and storing liquids • 4L and 8L bottles have a built in shoulder loop for attaching an identification tag
 • Autoclavable
 * **Application:** Storage, Packing and Shipping

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T582180	2	1/2	38	1	6
T582160	4	1	38	1	6
T582190	8	2	53	1	6



010

011 Amber Large Round Narrow Mouth Bottle

Material: Amber PP Bottle/Amber PP Closure - Medical Grade resin conforming to USP Class VI
 • Reduce UV light transmission to help protect light sensitive liquids • Amber bottles comply with US Pharmacopoeia 23, 661 requirements for maximum light transmission • Rigid • Linerless leak proof closure with integral seal ring • Ideal for collecting and storing liquids • 4L and 8L bottles have a built in shoulder loop for attaching an identification tag
 * **Application:** Storage, Packing and Shipping

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T585301	2	1/2	38	1	6
T585302	4	1	38	1	6
T585303	8	2	53	1	6



011

012 Heavy Duty Vacuum Bottle

Material: PP Bottle/White PP Closure - Medical Grade resin conforming to USP Class VI
 • Translucent • Extra thick rigid walls and closures for rugged performance • TPE Gasket provides a leak proof seal • Wide Mouth allows easy filling of contents • Withstands application of full vacuum for 24 hours at 20°C
 * **Application:** Storage, Packing and Shipping

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T583255	2	1/2	53	2	12
T582255	4	1	83	1	6



012

013 Heavy Duty Vacuum Bottle

Material: HDPE Bottle/White PP Closure - Medical Grade resin conforming to USP Class VI
 • Translucent • Extra thick rigid walls and closures for rugged performance • TPE Gasket provides a leakproof seal • Wide Mouth allows easy filling of contents
 * **Application:** Storage, Packing and Shipping

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T582256	2	1/2	53	2	12
T582257	4	1	83	1	6



013

014 Filling/Venting Closure

Material: White PP
 • Autoclavable closure for aseptic liquid transfer of media, biological reagents and chemicals to and fro heavy duty vacuum bottles and carboys • 53 mm and 83 mm can be used with TARSONS Heavy Duty vacuum bottle 2lts and 4 lts respectively

Cat No	Size mm	Unit Pack	Case Pack
T583216	53	1	6
T583217	83	1	6



014

015 Jerrican with Handle

Material: HDPE/White PP closure.
 • Heavy, rugged design intended for tough application • Wide Stance and low center of gravity for greater stability • Graduations molded in liters and gallons • Leak proof

Cat No	Size Litres	Size gals	Closure mm	LxWxH mm	Unit Pack	Case Pack
T683210	5	1.25	53	253x168x330	1	6
T683220	10	2.5	53	282x189x380	1	6
T683230	20	5.0	53	352x243x470	1	6



015

016 Boston Round Wide Mouth Bottle

Material: HDPE Bottle/PP Closure - Medical Grade resin conforming to USP Class VI
 • Translucent • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids • Good for freezer storage at -100°C • Wide Mouth allows easy filling of contents
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T584200	30	1	2	12	72
T584210	60	2	28	12	72
T584220	125	4	38	12	72
T584230	250	8	43	12	72
T584240	500	16	53	12	48
T584250	1000	32	63	6	24



016

020 Large Wide Mouth Round Bottle

Material: HDPE Bottle with PP Closure - Medical Grade resin conforming to USP Class VI
 • Translucent • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids
 • Good for freezer storage at -100°C • Wide Mouth allows easy filling of contents
 * **Application:** Storage, Packing and Shipping

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T584260	2	0.5	100	1	6



020

017 Boston Round Wide Mouth Bottle

Material: PP Bottle/PP Closure - Medical Grade resin conforming to USP Class VI
 • Translucent • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids
 • Wide Mouth allows easy filling of contents • Autoclavable
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T582200	30	1	28	12	72
T582210	60	2	28	12	72
T582220	125	4	38	12	72
T582230	250	8	43	12	72
T582240	500	16	53	12	48
T582250	1000	32	63	6	24



017

021 Large Wide Mouth Round Bottle

Material: PP bottle/White PP Screw Closure
 • specially designed for applications requiring autoclaving of large volumes • Not Leak proof.
 • Autoclavable
 * **Application:** Storage, Packing and Shipping

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T582260	2	0.5	100	1	6



021

018 Boston Round Wide Mouth Bottle

Material: LDPE Bottle/PP Closure - Medical Grade resin conforming to USP Class VI
 • Higher Transparency than HDPE • Flexible with excellent impact resistance • Linerless leak proof closure with integral seal ring • Ideal for liquids • Good for freezer storage at -100°C • Wide Mouth allows easy filling of contents
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T585200	30	1	28	12	72
T585210	60	2	28	12	72
T585220	125	4	38	12	72
T585230	250	8	43	12	72
T585240	500	16	53	12	48
T585250	1000	32	63	6	24



018

022 Large Wide Mouth Round Bottle

Material: LDPE Bottle with PP Closure - Medical Grade resin conforming to USP Class VI
 • Higher Transparency than HDPE • Flexible with excellent impact resistance • Linerless leak proof closure with integral seal ring • Ideal for liquids • Good for freezer storage at -100°C • Wide Mouth allows easy filling of contents
 * **Application:** Storage, Packing and Shipping

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T585260	2	0.5	100	1	6



022

019 Amber Boston Round Wide Mouth Bottle

Material: Amber HDPE Bottle/Amber PP Closure - Medical Grade resin conforming to USP Class VI
 • Reduce UV light transmission to help protect light sensitive liquids • Amber bottles comply with US Pharmacopoeia 23, 661 requirements for maximum light transmission • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids • Good for freezer storage at -100°C • Wide Mouth allows easy filling of contents
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T581300	30	1	28	12	72
T581310	60	2	28	12	72
T581320	125	4	38	12	72
T581330	250	8	43	12	72
T581340	500	16	53	12	48
T581350	1000	32	63	6	24



019

023 Amber Large Wide Mouth Round Bottle

Material: Amber HDPE Bottle/Amber PP Closure - Medical Grade resin conforming to USP Class VI
 • Reduce UV light transmission to help protect light sensitive liquids • Amber bottles comply with US Pharmacopoeia 23, 661 requirements for maximum light transmission • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids • Good for freezer storage at -100°C • Wide Mouth allows easy filling of contents
 * **Application:** Storage, Packing and Shipping

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T581360	2	0.5	100	1	6



023

024 Rectangular Bottle

Material: HDPE Bottle/PP Closure - Medical Grade resin conforming to USP Class VI
 • Rectangular shape is more space efficient than Boston Round • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids/dry materials • Good for freezer storage at -100°C
 • Wide Mouth allows easy filling and cleaning of contents
 * **Application:** Storage, Packing and Shipping

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T583320	125	4	28	12	72
T583330	250	8	38	12	72
T583340	500	16	48	12	48
T583350	1000	32	53	6	24
T583360	2000	64	63	4	12



024

025 Amber Rectangular Bottle

Material: Amber HDPE Bottle/Amber PP Closure - Medical Grade resin conforming to USP Class VI
 • Rectangular shape is more space efficient than Boston Round • Reduce UV light transmission to help protect light sensitive liquids • Amber bottles comply with US Pharmacopoeia 23, 661 requirements for maximum light transmission • Rigid • Linerless leak proof closure with integral seal ring • Ideal for liquids/dry materials • Good for freezer storage at -100°C • Wide Mouth allows easy filling and cleaning of contents

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T583420	125	4	28	12	72
T583430	250	8	38	12	72
T583440	500	16	48	12	48
T583450	1000	32	53	6	24
T583460	2000	64	63	1	6



025

026 Large Wide Mouth Bottle with Handle

Material: HDPE bottle/White PP Closure
 • Strong easy to grip handle for convenience and safety while pouring • Ideal for collecting, storing and transporting liquids and dry chemicals • Square Shape is more space saving than the round shape • Wide mouth allows easy filling and cleaning of contents • Good for freezer storage at -100°C
 * **Application:** Storage and Packing

Cat No	Size Litres	Size gals	Closure mm	Shape	Unit Pack	Case Pack
T583357	4	1	100	Round	1	6
T583358	4	1	100	Square	1	6



026

027 Large Wide Mouth Bottle with Handle

Material: PP Bottle/White PP Closure
 • Strong easy to grip handle for convenience and safety while pouring • Ideal for storing and sterilizing contaminated slides and other small lab items • Square Shape is more space saving than the round shape • Wide mouth allows easy filling and cleaning of contents • Autoclavable
 * **Application:** Storage and Packing

Cat No	Size Litres	Size gals	Closure mm	Shape	Unit Pack	Case Pack
T583257	4	1	100	Round	1	6
T583258	4	1	100	Square	1	6



027

028 Rectangular Carboy with Stopcock

Material: HDPE/White PP closure, Medical Grade resin conforming to USP Class VI
 • Tough, rigid, translucent • Excellent chemical resistance • Ideal for storing and dispensing stock solutions • Molded in graduations • Sturdy stainless steel handles

Cat No	Size Litres	Size gals	LxWxH mm	Unit Pack	Case Pack
T683241	5	1.25	215x150x340	1	6
T683242	10	2.5	260x180x400	1	6
T683243	20	5.0	310x210x500	1	4



028

029 Autoclavable Rectangular Carboy with Spigot

Material: PP/White PP closure, Medical Grade resin conforming to USP Class VI
 • Autoclavable carboys designed as a storage and dispenser media of solutions • Ideal for sterile water storage • Leak resistant • Molded in graduations • Spigot closure included
 • Sturdy stainless steel handle

Cat No	Size Litres	Size gals	LxWxH mm	Unit Pack	Case Pack
T683240	5	1.25	215x150x340	1	6
T683250	10	2.5	260x180x400	1	6
T683260	20	5.0	310x210x500	1	4



029

030 Handyboy with Stopcock

Material: HDPE/White PP closure - Medical Grade resin conforming to USP Class VI
 • Low profile design easily fits into tight spaces, shelves or refrigerators • Convenient handgrip for safe and easy transport • Excellent chemical resistance • Leak proof • Ideal for storing and dispensing reagents

Cat No	Size Litres	Size gals	LxWxH mm	Unit Pack	Case Pack
T684300	8	2	360x320x150	1	4



030

031 Autoclavable Handyboy with Stopcock

Material: PP/White PP closure - Medical Grade resin conforming to USP Class VI
 • Low profile design easily fits into tight spaces, shelves or refrigerators • Good for storing and dispensing reagents • Convenient handgrip for safe and easy transport • Excellent chemical resistance • Leak proof • Autoclavable

Cat No	Size Litres	Size gals	LxWxH mm	Unit Pack	Case Pack
T683300	8	2	360x320x150	1	4



031

032 Carboy with Handles

Material: LDPE/White PP Closure - Medical Grade resin conforming to USP Class VI
 • Ideal for storage and transport of reagents • Wide shoulder handles, enabling easy carrying and pouring even with gloved hands • Leak proof • Molded in graduations

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T583371	10	2.5	83	1	6
T583372	20	5.0	83	1	4
T583373	50	13.0	83	1	1



032

036 Autoclavable Carboys with Handles

Material: PP/White PP closure - Medical Grade resin conforming to USP Class VI
 • Autoclavable polypropylene carboys are excellent for storing and transporting large batches of culture media, distilled water and other solutions • Have wide shoulder handle enabling easy carrying and pouring • Molded in graduations • Leak Proof

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T583371	10	2.5	83	1	6
T583372	20	5.0	83	1	4
T583373	50	13.0	83	1	1



036

033 Wide Mouth Carboy with Handle

Material: LDPE/White PP closure - Medical Grade resin conforming to USP Class VI
 • Proof convenient wide mouth for solids, powders, overhead mixers • Molded in graduations

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T583471	10	2.5	100	1	6
T583472	20	5.0	100	1	4



033

037 Autoclavable Wide Mouth Carboy with Handles

Material: PP/White PP closure - Medical Grade resin conforming to USP Class VI
 • Excellent for microbiological analysis, especially when handling large volumes of powders or other solid samples • Mouth conveniently wide with 100 mm closure • Molded in graduations • Leak Proof • Autoclavable

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T583351	10	2.5	100	1	6
T583361	20	5.0	100	1	4



037

034 Carboy with Spigot

Material: LDPE/White PP closure - Medical Grade resin conforming to USP Class VI
 • Suitable for collecting and dispensing distilled water, reagents, acids • Has convenient wide shoulder handles • Molded in graduations • Leak Proof • Spigot closure included

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T584380	10	2.5	83	1	6
T584390	20	5.0	83	1	4
T584400	50	13.0	83	1	1



034

038 Autoclavable carboys with spigot

Materials: PP/White PP closure - Medical Grade resin conforming to USP Class VI
 • Autoclavable carboys are used as a storage and dispenser media of solutions • Molded in graduations • Leak Proof • Spigot closure included

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T583280	10	2.5	83	1	6
T583290	20	5.0	83	1	4
T583300	50	13.0	83	1	1



038

035 Carboy with Tubulation

Material: LDPE/White PP closure - Medical Grade resin conforming to USP Class VI
 • Molded in graduations • Leak Proof • Shoulder handles are conveniently wide enabling easy carrying and transportation

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T586380	10	2.5	83	1	6
T586390	20	5.0	83	1	4



035

039 Autoclavable Carboy with Tubulation

Material: PP/White PP closure - Medical Grade resin conforming to USP Class VI
 • Molded in graduations • Leak Proof • Shoulder handles are conveniently wide enabling easy carrying and transportation

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T585380	10	2.5	83	1	6
T585390	20	5.0	83	1	4



039

040 Autoclavable Carboy Heavy Duty with Handles

Material: PP/White PP closure - Medical Grade resin conforming to USP Class VI
 • Thick walls provide added strength • Autoclavable and leak proof • Ideal when service conditions are extreme and hold full vacuum upto 8 hrs

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T583265	10	2.5	83	1	6
T583266	20	5.0	83	1	4



040

041 Amber Carboy with Handles

Material: HDPE/Amber PP closure - Medical Grade resin conforming to USP Class VI
 • Meets U.S.Pharmacopoeia Light transmission test (USP 23,661) requirements for storage of light sensitive materials • Excellent for storing and mixing photo sensitive chemicals, reagents and buffers • Smooth Interior walls ensure the safety of your sample • Leak proof

Cat No	Size Litres	Size gals	Closure mm	Unit Pack	Case Pack
T583252	10	2.5	83	1	6
T583253	20	5.0	83	1	4



041

Round Bottles and Carboys

Nominal Capacity	Description	Catalog Number	Approx. Brim Cap,ml	Material	Color	Screw Closure Size,mm	I.D. Neck, mm	O.D. Bottle, mm	Hgt. W/Closure, mm
4 ml	Bottle, NM	T582070	4.3	PP	Natural	13	8.3	16	41
	Bottle, NM	T583170	4.3	HDPE	Natural	13	8.3	16	41
	Bottle, NM	T581170	4.3	HDPE	Amber	13	8.3	16	41
8 ml	Bottle, NM	T582080	12	PP	Natural	20	13	25	44
	Bottle, NM	T586080	12	LDPE	Natural	20	13	25	44
	Bottle, NM	T583180	12	HDPE	Natural	20	13	25	44
	Bottle, NM	T581180	12	HDPE	Amber	20	13	25	44
15 ml	Bottle, NM	T582090	18	PP	Natural	20	13.3	25	58
	Bottle, NM	T586090	18	LDPE	Natural	20	13.3	25	58
	Bottle, NM	T583190	18	HDPE	Natural	20	13	25	58
	Bottle, NM	T581190	18	HDPE	Amber	20	13.3	25	58
30 ml	Bottle, NM	T582100	34	PP	Natural	20	13.5	36	62
	Bottle, NM	T586200	34	LDPE	Natural	20	13.5	36	62
	Bottle, NM	T583100	34	HDPE	Natural	20	13.5	36	62
	Bottle, NM	T581200	34	HDPE	Amber	20	13.5	36	62
	Bottle, WM	T582220	35	PP	Natural	28	21.5	36.5	62.5
	Bottle, WM	T585200	35	LDPE	Natural	28	21.5	36.5	62.5
	Bottle, WM	T584200	35	HDPE	Natural	28	21.5	36.5	62.5
	Bottle, WM	T581300	35	HDPE	Amber	28	21.5	36.5	62.5

Round Bottles and Carboys

Nominal Capacity	Description	Catalog Number	Approx. Brim Cap,ml	Material	Color	Screw Closure Size,mm	I.D. Neck, mm	O.D. Bottle, mm	Hgt. W/Closure, mm
60 ml	Bottle, NM	T582110	65	PP	Natural	20	14.5	40.5	85
	Bottle, NM	T586210	65	LDPE	Natural	20	14.5	40.5	85
	Bottle, NM	T583110	65	HDPE	Natural	20	14.5	40.5	85
	Bottle, NM	T581210	65	HDPE	Amber	20	14.5	40.5	85
	Bottle, WM	T582210	65	PP	Natural	28	21.5	38.5	85
	Bottle, WM	T585210	65	LDPE	Natural	28	21.5	38.5	85
	Bottle, WM	T584210	65	HDPE	Natural	28	21.5	38.5	85
	Bottle, WM	T581310	65	HDPE	Amber	28	21.5	38.5	85
125 ml	Bottle, NM	T582120	140	PP	Natural	24	17.5	51	99
	Bottle, NM	T586220	140	LDPE	Natural	24	17.5	51	99
	Bottle, NM	T583120	140	HDPE	Natural	24	17.5	51	99
	Bottle, NM	T581220	140	HDPE	Amber	24	17.5	51	99
	Bottle, WM	T582220	140	PP	Natural	38	28.5	50.5	99
	Bottle, WM	T585220	140	LDPE	Natural	38	28.5	50.5	99
	Bottle, WM	T584220	140	HDPE	Natural	38	28.5	50.5	99
	Bottle, WM	T581320	140	HDPE	Amber	38	28.5	50.5	99
250 ml	Bottle, NM	T582130	285	PP	Natural	24	17.5	61	133
	Bottle, NM	T586230	285	LDPE	Natural	24	17.5	61	133
	Bottle, NM	T583130	285	HDPE	Natural	24	17.5	61	133
	Bottle, NM	T581230	285	HDPE	Amber	24	17.5	61	133
	Bottle, WM	T582230	290	PP	Natural	43	33	61.5	133
	Bottle, WM	T585230	290	LDPE	Natural	43	33	61.5	133
	Bottle, WM	T584230	290	HDPE	Natural	43	33	61.5	133
	Bottle, WM	T581330	290	HDPE	Amber	43	33	61.5	133
500 ml	Bottle, NM	T582140	525	PP	Natural	28	21.3	73	170
	Bottle, NM	T586240	525	LDPE	Natural	28	21.3	73	170
	Bottle, NM	T583140	525	HDPE	Natural	28	21.3	73	170
	Bottle, NM	T581240	525	HDPE	Amber	28	21.3	73	170
	Bottle, NM	T582141	577	PP	Natural	38	28	75	182
	Bottle, WM	T582240	550	PP	Natural	53	43.5	72.5	170
	Bottle, WM	T585240	550	LDPE	Natural	53	43.5	72.5	170
	Bottle, WM	T584240	550	HDPE	Natural	53	43.5	72.5	170
1 Litre	Bottle, NM	T582150	1060	PP	Natural	38	28	92	216
	Bottle, NM	T586250	1060	LDPE	Natural	38	28	92	216
	Bottle, NM	T583150	1060	HDPE	Natural	38	28	92	216
	Bottle, NM	T581250	1060	HDPE	Amber	38	28	92	216
	Bottle, WM	T582250	1030	PP	Natural	63	53	91.5	199
	Bottle, WM	T585260	1030	LDPE	Natural	63	53	91.5	199
	Bottle, WM	T584260	1030	HDPE	Natural	63	53	91.5	199
	Bottle, WM	T581360	1030	HDPE	Amber	63	53	91.5	199

Round Bottles and Carboys

Nominal Capacity	Description	Catalog Number	Approx. Brim Cap.ml	Material	Color	Screw Closure Size,mm	I.D. Neck, mm	O.D. Bottle, mm	Hgt. W/Closure, mm
2 Litres	Bottle, NM	T582180	2100	PP	Natural	38	27.5	118	252
	Bottle, NM	T586260	2100	LDPE	Natural	38	27.5	118	252
	Bottle, WM	T582260	2100	PP	Natural	100	90	119	245
	Bottle, WM	T585260	2100	LDPE	Natural	100	90	119	245
	Bottle, WM	T584260	2100	HDPE	Natural	100	90	119	245
	Bottle, WM	T581360	2100	HDPE	Amber	100	90	119	245
	Heavy Duty Vacuum Bottle	T583255	2050	PP	Natural	53	38.5	118	270
4 Litres	Bottle, NM	T582160	430	PP	Natural	38	25.4	154	340
	Bottle, NM	T582170	430	PP	Amber	38	25.4	154	340
	Bottle, NM	T586280	430	LDPE	Natural	38	25.4	154	340
	Bottle, WM with Handle	T583257	4250	PP	Natural	100	86	163	302
	Bottle, WM with Handle	T583357	4250	HDPE	Natural	100	86	163	302
	Heavy Duty Vacuum Bottle	T582255	4100	PP	Natural	83	65	155	338
5 Litres	Aspirator Bottle with Stopcock	T583210	5400	PP	Natural	53	43.5	168	357
8 Litres	Bottle, NM	T582190	8500	PP	Natural	53	39.4	194.7	415
	Bottle, NM	T586290	8500	LDPE	Natural	53	39.4	194.7	415
10 Litres	Carboy	T583250	11500	PP	Natural	83	65	249	390
	Carboy	T583252	11500	PP	Amber	83	65	249	390
	Carboy	T583371	11500	LDPE	Natural	83	65	249	390
	Carboy Wide Mouth	T583350	11500	PP	Natural	100	95	249	390
	Carboy Wide Mouth	T583471	11500	LDPE	Natural	100	95	249	390
	Carboy with Stopcock	T583280	11000	PP	Natural	83	65	249	390
	Carboy with Stopcock	T584380	11000	LDPE	Natural	83	65	249	390
	Carboy with Tubulation	T585380	11000	PP	Natural	83	65	249	390
	Carboy with Tubulation	T586380	11000	LDPE	Natural	83	65	249	390
	Aspirator Bottle with Stopcock	T583220	10500	PP	Natural	53	43.5	200	465
20 Litres	Carboy	T583260	22000	PP	Natural	83	65	285	535
	Carboy	T583372	22000	LDPE	Natural	83	65	285	535
	Carboy Wide Mouth	T583360	22000	PP	Natural	100	95	285	535
	Carboy Wide Mouth	T583472	22000	LDPE	Natural	100	95	285	535
	Carboy with Stopcock	T583290	21500	PP	Natural	83	65	285	535
	Carboy with Stopcock	T584390	21500	LDPE	Natural	83	65	285	535
	Carboy with Tubulation	T585390	21500	PP	Natural	83	65	285	535
	Carboy with Tubulation	T586390	21500	LDPE	Natural	83	65	285	535
Aspirator Bottle with Stopcock	T583230	22700	PP	Natural	53	43.5	265	545	
50 Litres	Carboy	T583270	52000	PP	Natural	83	65	376	682
	Carboy	T583373	52000	LDPE	Natural	83	65	376	682
	Carboy with Stopcock	T583300	52000	PP	Natural	83	65	376	682
	Carboy with Stopcock	T584400	52000	LDPE	Natural	83	65	376	682

Rectangular Bottles, Carboys & Jerricans

Nominal Capacity	Description	Catalog Number	Approx. Brim Cap.ml	Material	Color	Screw Closure Size,mm	I.D. Neck, mm	Bottle Dimension (L x W), mm	Hgt. W/Closure, mm
125 ml	Rectangular Bottle	T583320	140	HDPE	Natural	28	21	59X39.5	99
	Rectangular Bottle	T583420	140	HDPE	Amber	28	21	59X39.5	99
250 ml	Rectangular Bottle	T583330	285	HDPE	Natural	38	28.5	74.5X51.5	116
	Rectangular Bottle	T583430	285	HDPE	Amber	38	28.5	74.5X51.5	116
500 ml	Rectangular Bottle	T583340	620	HDPE	Natural	48	38	99.5X64	144
	Rectangular Bottle	T583440	620	HDPE	Amber	48	38	99.5X64	144
1 Litre	Rectangular Bottle	T583350	1100	HDPE	Natural	53	44	127X67	178
	Rectangular Bottle	T583450	1100	HDPE	Amber	53	44	127X67	178
2 Litres	Rectangular Bottle with Handle	T583360	2340	HDPE	Natural	63	52	150X97	237
	Rectangular Bottle with Handle	T583460	2340	HDPE	Amber	63	52	150X97	237
4 Litres	Square Bottle with Handle	T583258	4560	PP	Natural	100	87.5	147.5X147.5	297
	Square Bottle with Handle	T583358	4560	HDPE	Natural	100	87.5	147.5X147.5	297
5 Litres	Rectangular Carboy + Stopcock	T683240	6250	PP	Natural	100	85.5	227X144	342
	Rectangular Carboy + Stopcock	T683241	6250	HDPE	Natural	100	85.5	227X144	342
	Jerrican	T683210	7250	HDPE	Natural	53	38.5	253X168	330
8 Litres	Handyboy with Stopcock	T683300	8300	PP	Natural	63	38	366X300	160
10 Litres	Rectangular Carboy + Stopcock	T683250	11500	PP	Natural	100	85.5	284X176	400
	Rectangular Carboy + Stopcock	T683242	11500	HDPE	Natural	100	85.5	284X176	400
	Jerrican	T683220	11000	HDPE	Natural	53	38.5	282X189	380
20 Litres	Rectangular Carboy + Stopcock	T683260	22000	PP	Natural	100	85.5	342X207	492
	Rectangular Carboy + Stopcock	T683243	22000	HDPE	Natural	100	85.5	342X207	492
	Jerrican	T683230	21500	HDPE	Natural	53	38.5	352X243	470

Resin Quick Reference Chart

	Polypropylene (PP)	Polypropylene Copolymer (PPCO)	Low Density Polypropylene (LDPE)	High Density Polypropylene (HDPE)
High Temperature	135°C	121°C	80°C	120°C
Low Temperature	0°C	-40°C	-100°C	-100°C
Autoclavable	Y	Y	N	N
Microwavable	Y	Marginal	Y	N
Dry Heat (Oven)	N	N	N	N
Freeze	N	Y	Y	Y
Flexibility	Rigid	Moderate	Excellent	Rigid
Clarity	Translucent	Translucent	Translucent	Translucent
Recycling Symbol				

Autoclaving Conditions

	121°C
	15 minutes
	15 psi

CAUTION

Before autoclaving set the closure on top of the container without engaging the threads. During decompression phase of the autoclaving cycle, the pressure within the vessel must be allowed to equalize. Any material stacked or placed over the closure has a potential to cause a vacuum to form, resulting in collapse.

042 Narrow Mouth Wash Bottle

Material: LDPE/PP closure

- Closure and stem molded in one piece hence leak proof • The tip dispenses a uniform stream of liquid and can be cut back to increase flow

Cat No	Size ml	Size oz	Closure mm	Color	Unit Pack	Case Pack
T560050	125	4	24	Natural	6	48
T560060	250	8	24	Natural	6	36
T560070	500	16	38	Natural	6	24
T560080	1000	32	38	Natural	4	12



042



046 Color-Coded Narrow Mouth Wash Bottle

Material: LDPE/PP closure

Cat No	Size ml	Size oz	Closure mm	Color	Unit Pack	Case Pack
T560050-W	125	4	24	White	6	48
T560050-R	125	4	24	Red	6	48
T560050-Y	125	4	24	Yellow	6	48
T560050-B	125	4	24	Blue	6	48
T560050-G	125	4	24	Green	6	48
T560060-W	250	8	24	White	6	36
T560060-R	250	8	24	Red	6	36
T560060-Y	250	8	24	Yellow	6	36
T560060-B	250	8	24	Blue	6	36
T560060-G	250	8	24	Green	6	36
T560070-W	500	16	38	White	6	24
T560070-R	500	16	38	Red	6	24
T560070-Y	500	16	38	Yellow	6	24
T560070-B	500	16	38	Blue	6	24
T560070-G	500	16	38	Green	6	24
T560080-W	1000	32	38	White	4	12
T560080-R	1000	32	38	Red	4	12
T560080-Y	1000	32	38	Yellow	4	12
T560080-B	1000	32	38	Blue	4	12
T560080-G	1000	32	38	Green	4	12

047 Color-Coded Wide Mouth Wash Bottle

Material: LDPE/PP Closure

Cat No	Size ml	Size oz	Closure mm	Color	Unit Pack	Case Pack
T560089-W	250	8	38	White	6	36
T560089-R	250	8	38	Red	6	36
T560089-Y	250	8	38	Yellow	6	36
T560089-B	250	8	38	Blue	6	36
T560089-G	250	8	38	Green	6	36
T560090-W	500	16	53	White	6	24
T560090-R	500	16	53	Red	6	24
T560090-Y	500	16	53	Yellow	6	24
T560090-B	500	16	53	Blue	6	24
T560090-G	500	16	53	Green	6	24
T560091-W	1000	32	53	White	4	12
T560091-R	1000	32	53	Red	4	12
T560091-Y	1000	32	53	Yellow	4	12
T560091-B	1000	32	53	Blue	4	12
T560091-G	1000	32	53	Green	4	12

043 Wide Mouth Wash Bottle

Material: LDPE/PP closure

- Closure and stem molded in one piece hence leak proof • The tip dispenses a uniform stream of liquid and can be cut back to increase flow • Wide mouth allows for easy filling of contents

Cat No	Size ml	Size oz	Closure mm	Color	Unit Pack	Case Pack
T560089	250	8	38	Natural	6	36
T560090	500	16	53	Natural	6	24
T560091	1000	32	53	Natural	4	12



043

044 Wash Bottle Side Delivery Tube

Material: LDPE/PP closure

- Wide mouth allows for easy filling of contents • Uniform flow of liquid through the side delivery tube without sputtering • Leak proof

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T561100	125	4	24	6	48
T561110	250	8	38	4	36
T561120	500	16	38	4	24
T561130	750	25	38	4	24



044

045 Drop Dispenser Bottle

Material: LDPE/PP closure, Medical Grade resin conforming to USP Class VI

- Convenient one hand operation to Dispense one drop at a time • Leak proof

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T620030	15	0.5	20	12	72
T620040	30	1	20	12	72
T620050	60	2	24	12	48
T620060	125	4	24	12	48
T620070	250	8	24	6	36



045



048 Safety Labelled Wash Bottle Wide Mouth

Material: LDPE/PP Closure

• Highly visible solvent resistant printed wash bottle • Safety Wash bottle includes a Chemical Abstract Service (CAS) no, National Fire Protection Association (NFPA) Codes and Symbols, Protective Equipment Symbol, Target Organ Information and Hazard codes • Please note that Sodium Hypochlorite Bottle is White LDPE with HDPE for light protection, Toluene is Red LDPE Bottle

Cat No	Size ml	Size oz	Label	Closure mm	Color	Unit Pack	Case Pack
T564000	500	16	Acetone	53	Red	6	24
T564001	500	16	Dichloromethane	53	Yellow	6	24
T564002	500	16	Deionized Water	53	Natural	6	24
T564003	500	16	Distilled Water	53	Natural	6	24
T564004	500	16	Ethanol	53	Natural	6	24
T564005	500	16	Isopropanol	53	Yellow	6	24
T564006	500	16	Ethyl Acetate	53	Green	6	24
T564007	500	16	Machine Oil	53	Natural	6	24
T564008	500	16	Methanol	53	Green	6	24
T564009	500	16	Methyl Ethyl Ketone(MEK)	53	Green	6	24
T564010	500	16	Saline Solution	53	Natural	6	24
T564011	500	16	Soap	53	Green	6	24
T564012	500	16	Sodium Hypochlorite (Bleach)	53	Blue	6	24
T564013	500	16	Water	53	Natural	6	24
T564014	500	16	Toluene	53	Red	6	24
T564015	500	16	Self Labeling Bottle	53	Natural	6	24
T564016	500	16	Assorted (PK of 6)	53	-	6	24
T565000	1000	32	Acetone	53	Red	4	12
T565001	1000	32	Distilled Water	53	Natural	4	12
T565002	1000	32	Isopropanol	53	Yellow	4	12
T565003	1000	32	Ethanol	53	Natural	4	12
T565004	1000	32	Methanol	53	Green	4	12
T565005	1000	32	Sodium Hypochlorite (Bleach)	53	Blue	4	12
T565006	1000	32	Self Labeling Bottle	53	Natural	4	12

Note: Assortment Pack includes 1 Bottle each : Acetone, Bleach, Distilled Water, Ethanol, Isopropanol and Self Labeling Bottle. Only use Self Labeling Bottle with solvents compatible with LDPE.



049 Safety Labelled Self Venting Wash Bottle Wide Mouth

Material: LDPE/PP Closure

• Non metallic vent that prevents the risk of solvent leakage

Cat No	Size ml	Size oz	Label	Closure mm	Color	Unit Pack	Case Pack
T561010	250	8	Acetone	38	Red	6	36
T561011	250	8	Distilled Water	38	Natural	6	36
T561012	250	8	Isopropanol	38	Yellow	6	36
T561013	250	8	Ethanol	38	Natural	6	36
T561014	250	8	Methanol	38	Green	6	36
T561015	250	8	Sodium Hypochlorite	38	Blue	6	36
T561016	250	8	Self Labeling Bottle	38	Natural	6	36
T561017	250	8	Assorted	38	-	6	36
T562010	500	16	Acetone	53	Red	6	24
T562011	500	16	Distilled Water	53	Natural	6	24
T562012	500	16	Isopropanol	53	Yellow	6	24
T562013	500	16	Ethanol	53	Natural	6	24
T562014	500	16	Methanol	53	Green	6	24
T562015	500	16	Sodium Hypochlorite	53	Blue	6	24
T562016	500	16	Self Labeling Bottle	53	Natural	6	24
T562017	500	16	Methyl Ethyl Ketone(MEK)	53	Green	6	24
T562018	500	16	Ethyl Acetate	53	Green	6	24
T562019	500	16	HMIG Code	53	Blue	6	24
T562019	500	16	Assorted	53	-	6	24
T563010	1000	32	Acetone	53	Red	6	12
T563011	1000	32	Distilled Water	53	Natural	6	12
T563012	1000	32	Isopropanol	53	Yellow	6	12
T563013	1000	32	Ethanol	53	Natural	6	12
T563014	1000	32	Methanol	53	Green	6	12
T563015	1000	32	Sodium Hypochlorite	53	Blue	6	12
T563016	1000	32	Self Labeling Bottle	53	Natural	6	12
T563017	1000	32	Methyl Ethyl Ketone (MEK)	53	Green	6	12

Note: Assortment Pack includes 1 Bottle each : Acetone, Bleach, Distilled Water, Ethanol, Isopropanol and Self Labeling Bottle. Only use Self Labeling Bottle with solvents compatible with LDPE.



050 Vented Wash Bottle - Side Delivery Tube

Material: LDPE/PP Closure

- Welded PTFE Membrane in the closure ensures venting of hazardous solvents
- Wide mouth for easy filling • Sodium Hypochlorite is white LDPE bottle with HDPE closure

Cat No	Size ml	Size oz	Label	Closure mm	Color	Unit Pack	Case Pack
T562100	250	8	Acetone	38	Red	4	36
T562101	250	8	Isopropanol	38	Yellow	4	36
T562102	250	8	Methanol	38	Green	4	36
T562103	250	8	Ethanol	38	Natural	4	36
T562104	250	8	Sodium Hypochlorite (Bleach)	38	Blue	4	36
T562105	250	8	Distilled Water	38	Natural	4	36
T562106	250	8	Deionized Water	38	Natural	4	36
T562200	500	16	Acetone	38	Red	4	24
T562201	500	16	Isopropanol	38	Yellow	4	24
T562202	500	16	Methanol	38	Green	4	24
T562203	500	16	Ethanol	38	Natural	4	24
T562204	500	16	Sodium Hypochlorite (Bleach)	38	Blue	4	24
T562205	500	16	Distilled Water	38	Natural	4	24
T562206	500	16	Deionized Water	38	Natural	4	24
T562300	750	25	Acetone	38	Red	4	24
T562301	750	25	Isopropanol	38	Yellow	4	24
T562302	750	25	Methanol	38	Green	4	24
T562303	750	25	Ethanol	38	Natural	4	24
T562304	750	25	Sodium Hypochlorite (Bleach)	38	Blue	4	24
T562305	750	25	Distilled Water	38	Natural	4	24
T562306	750	25	Deionized Water	38	Natural	4	24

051 Utility Tray

Material: HDPE

- Used for soaking • Rolled rim facilitates carrying
- Available in multiple dimensions

Cat No	LxWxH mm	Unit Pack	Case Pack
T242001	320x260x70	1	6
T242011	320x260x100	1	6
T240071	360x310x130	1	6
T240091	540x435x130	1	6



051

052 Sterilizing Pans

Material: PP

- Designed for drying and sterilizing various lab ware • Rolled edges for ease of use • Tapered for storing • Autoclavable

Cat No	LxWxH mm	Unit Pack	Case Pack
T242000	320x260x70	1	6
T242010	320x260x100	1	6
T240070	360x310x130	1	6
T240090	540x435x130	1	6



052

053 (A) Autoclavable Test Tube Basket

Material: PP

- Ideal for dipping, transport and storage of test tubes • Available with lid
- good for holding test tubes and other glasswares during autoclaving and washing

Cat No	LxWxH mm	Unit Pack	Case Pack
T180010	110x120x150	1	6
T180020	180x170x160	1	6
T180030	230x230x230	1	6

(B) Autoclavable Test Tube Basket – Without Lid

Material: PP

Cat No	LxWxH mm	Unit Pack	Case Pack
T180040	110x120x150	1	6
T180050	180x170x160	1	6
T180060	230x230x230	1	6



053

054 Draining Tray

Material: PP

- Autoclavable perforated trays, ideal for draining glassware and plastic ware after cleaning • Can be placed in a sink for washing to reduce the chance of damage • Corners are round and smooth for easy cleaning • Handles for ease of use

Cat No	LxWxH mm	Unit Pack	Case Pack
10900	400x300x100	1	6



054

055 Retort Stand - Centre Support position

Material: PP

Cat No	LxB mm	Material	Unit Pack	Case Pack
T141010	220x150	PP/Polycoated rod	1	6
T141020	300x200	PP/Polycoated rod	1	6
T143010	220x150	PP/Stainless Steel rod	1	6
T143020	300x200	PP/Stainless Steel rod	1	6



055

056 Retort Stand - Side Support position

Material: PP

Cat No	LxB mm	Material	Unit Pack	Case Pack
T142010	220x150	PP/Polycoated rod	1	6
T142020	300x200	PP/Polycoated rod	1	6
T144010	220x150	PP/Stainless Steel rod	1	6
T144020	300x200	PP/Stainless Steel rod	1	6



056

057 Funnel Holder

Material: PP

- Non corrosive • Includes an adaptor ring to adapt itself to hold rods of various diameters • Autoclavable

Cat No	Type	Unit Pack	Case Pack
T122100	Single	1	6
T122200	Double	1	6



057

058 Burette Clamp

Material: PP

- Polypropylene spring loaded clamp • Grips made of rubber can clamp the burette tight • Corrosion resistant • Includes an adaptor ring to adapt itself to hold rods of various diameters • Autoclavable

Cat No	Type	Unit Pack	Case Pack
T121100	Single	1	6
T121200	Double	1	6



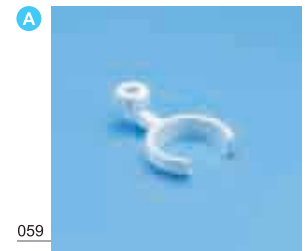
058

059 Separatory Funnel Holder

Material: PP

- Non corrosive • Tapered wedges ensure firm grip of the rods • Front opening provides clear view of the solution • Includes an adaptor ring to adapt itself to hold rods of various diameters • Autoclavable

Cat No	Type	Unit Pack	Case Pack
T123000	Single	1	6



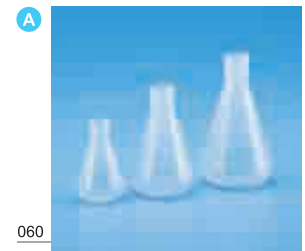
059

060 Conical Flask

Material: PP

- Autoclavable • Liquid level can be seen easily

Cat No	Size ml	Size oz	Unit Pack	Case Pack
T441110	125	4	12	24
T441120	250	8	6	12
T441130	500	16	4	12



060

061 Analytical Funnel

Material : PP-Autoclavable

- Equivalent to glass funnels but much economic • Accepts standard size filter paper
- Comes with a long narrow bore that works best for liquids • External ribs prevent air blockage

Cat No	Size Dia mm	Length of Stem mm	F. Paper Dia mm	Unit Pack	Case Pack
T630010	35	52	55	12	36
T630020	45	50	70	12	36
T630030	55	61	90	12	36
T630040	65	65	110	12	36
T630050	75	80	125	6	36
T630060	90	88	150	6	24
T630070	100	99	18	4	24
T630090	160	151	240	2	12



061

062 Disposable Funnel Short Stem

Material : PP-Autoclavable

- Inside surface is ribbed and slopes 60° for easy filtration • External ribs prevent air blockage
- Accepts standard size filter paper

Cat No	Size Dia mm	Length of Stem mm	F. Paper Dia mm	Unit Pack	Case Pack
T641010	55	26	110	25	100
T641020	65	22	125	25	100



062

063 Funnel Powder

Materials : PP-Autoclavable

- Economic and unbreakable • Has large bore hence ideal for transferring powder • Inside surface is ribbed and slopes 60° for rapid filtration • External ribs prevent air blockage

Cat No	Size Dia mm	Length of Stem mm	Unit Pack	Case Pack
T650010	65	22	12	36
T650020	80	29	12	36
T650030	100	33	6	24
T650040	150	30	4	24



063

064 Large Carboy Funnel

Material : PP - Autoclavable

- Extensively used to fill carboys, drums, tanks and barrels due to high capacity and flow
- Chemically resistant • Have a handle molded at the rim for stability

Cat No	Size mm	Unit Pack	Case Pack
T642060	200	1	2
T642070	250	1	2



064

065 Filtering Flask

Material: PP-Autoclavable

- Angled arm prevents tipping of the solution • Molded in one piece

Cat No	Cap. ml	Fits Tubing I.D. mm	Stopper no.	Unit Pack	Case pack
T442110	500	6.4-9.5	7	1	2
T442120	1000	6.4-9.5	8	1	2
T442130	1500	9.5	10	1	2



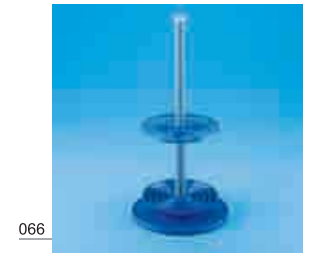
065

066 Rotary Pipette Stand Vertical

Material: PP-Autoclavable

- Central vertical axis comprises of two discs • Axis rotates vertically making it convenient to select the pipette • Tips are inserted into perforated bottomed concentric troughs in the lower disc that provides protection • Dismantled and stored when not in use • Holds upto 94 pipettes

Cat No	Places	Unit Pack	Case pack
T161040	94	1	6



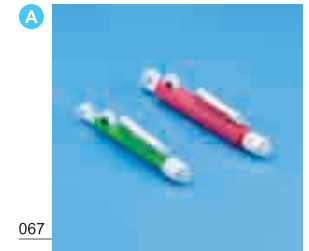
066

067 Handypette Pipette Aid

Material: PP/Silicon- Autoclavable

- Easy and convenient single hand operation • Resistant to acids and alkalis

Cat No	Cap ml	Unit Pack	Case pack
T032000	10	1	4
T033000	25	1	4



067

068 Utility Carrier

Material: PP- Autoclavable

- Convenient to carry with the centre molded handle • Used for carrying various items

Cat No	LxWxH mm	Unit Pack	Case pack
T240080	380x240x115	1	6

Material: HDPE

- Convenient to carry with the centre molded handle • Used for carrying various items

Cat No	LxWxH mm	Unit Pack	Case pack
T240081	380x240x115	1	6



068

Note – Filterware is for lab use only and not for in-vitro diagnosis or parenterals

069 Membrane Filter Holder

Material: PSF

- Transparent
- Membrane diameter 47 mm
- Two side arms can be connected to vacuum line
- Receiver graduated
- Cover facilitates convenient storage of sterile filtrate
- Autoclavable

Cat No	Capacity Upper Chamber ml	Capacity Receiver ml	Unit Pack	Case Pack
T050010	250	250	1	1
T050020	500	500	1	1
T050030	500	1000	1	1



069

070 Filter Holder with Funnel

Material : PSF

- Can be used with filtering flasks or manifolds that accepts a suitable rubber stopper with hole
- Autoclavable

Cat No	Capacity Upper Chamber ml	Unit Pack	Case Pack
T050041	250	1	1



070

071 Filter Funnel with Clamp

Material : PSF

- Break resistant Non toxic PSF Funnel is used in micro bial and particulate analysis
- Aluminum clamp allows one handed operation
- Funnel's do not leak after repeated autoclaving

Cat No	Capacity Upper Chamber ml	Unit Pack	Case Pack
T050040	250	1	1



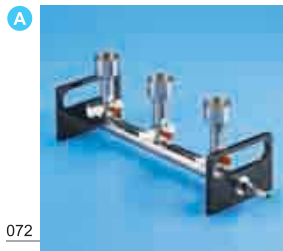
071

072 Vacuum Manifold

Material: SS/PTFE

- Available in three different sizes
- Each outlet is designed with a two way leak proof valve and a vent port
- Autoclavable

Cat No	Places	Unit pack	Case Pack
T050070	1	1	1
T050050	3	1	1
T050080	6	1	1



072

Note – Filterware is for lab use only and not for in-vitro diagnosis or parenterals

073 Reusable Bottle Top Filter

Material: PSF

- This autoclavable, reusable filter housing can be screwed onto standard glass media bottles with 45 mm neck size
- Removable membrane support plate is designed to provide maximum flow rate and through put
- This unit does not include glass media bottle

Cat No	Cap Upper Cham. ml	Unit pack	Case Pack
T050060	250	1	1
T050061	500	1	1



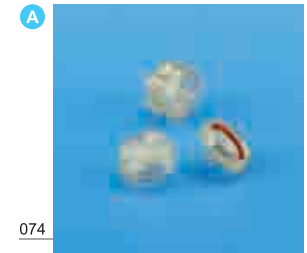
073

074 Syringe Filter

Material: PSF

- Autoclavable

Cat No.	Size mm	Unit Pack	Case Pack
T521090	25	1	1



074

075 In Line Filter Holder

Material: PSF

- Used for in line removal of particles or microbial contaminants from liquids and gases
- Tubing connector accepts 9.5 mm I.D tubing

Cat No.	Size mm	Unit Pack	Case Pack
T521080	47	1	1

Open Faced Filter Holder

Material: PSF, silicon o ring

- Used for open space sampling of Air for particles and micro organisms, for sampling aerosols and the environment
- the unit can be used for vacuum filtration only
- Tubing connector accepts 9.5 mm I.D tubing

Cat No.	Size mm	Unit Pack	Case Pack
T521070	47	1	1



075

076 Hand operated Vacuum Pump

Material: PVC

- Durable Vacuum Pump attains and holds vacuum of 25 inch of mercury
- The pump has 15 cc/stroke pumping rate and 7 psig positive pressure at the exhaust port

Cat No.	Unit Pack	Case Pack
T402002	1	1



076

077 Pipette washer

Material: PP

Cat No.	Pipette Length mm	Unit Pack	Case Pack
T160010	400	1	1



077

081 Beaker Griffin Low - Form

Material: PP

- Easy to read silk screened graduations • Double graduated metric scale
- Offers excellent chemical resistance • Unsuitable for use on a hot plate
- Meets the ISO 7056:1981 international standard for laboratory plastic ware beakers • Stackable • Autoclavable

Cat No.	Size ml	Unit Pack	Case Pack
T421010	50	12	48
T421020	100	12	48
T421040	250	6	36
T421050	600	4	24
T421060	1000	3	12
T421070	2000	1	6
T421080	5000	1	4
T421090	10000	1	2



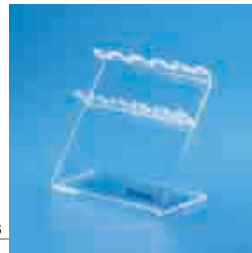
081

078 Pipettor Stand

Material: PMMA

- Designed to hold most major pipette brands

Cat No.	No. of Pipettes	Unit Pack	Case Pack
T030080	5	1	1



078

082 Beaker Griffin Low - Form

Material: PMP

- Easy to read silk screened graduations • Double graduated metric scale
- Offers excellent chemical resistance • Unsuitable for use on a hot plate
- Meets the ISO 7056:1981 international standard for laboratory plastic ware beakers • Stackable • Autoclavable • Higher transparency, chemical resistance and heat tolerant than PP

Cat No.	Size ml	Unit Pack	Case Pack
T422000	50	12	48
T422010	100	12	48
T422020	250	6	36
T422030	600	4	24
T422040	1000	3	12
T422050	2000	1	6
T422060	5000	1	4
T422070	10000	1	2



082

079 Magnetized Pipette Storage Rack ABS

Material: ABS

- ABS plastic construction is scratch resistant and easily cleaned • Each rack includes two accessory attachments to hold pipette filler and pipette bulb • Featured 4 angled compartment for easy loading and retrieval • Unique "Windows" allows viewing of enclosed pipettes to determine supply level • Magnets present in both the sides helps to securely mount the rack

Cat No	Color Chamber	LxWxH mm Receiver ml	Unit Pack	Case Pack
T161050-W	White	290x85x395	1	1
T161050-R	Red	290x85x395	1	1
T161050-B	Blue	290x85x395	1	1



079

083 Beaker Low - Form with Handle

Material: PP

- Easy to grip, comfortable handles ensure safer pouring • Easy to read graduations • Non drip spout • Autoclavable

Cat No.	Size ml	Unit Pack	Case Pack
T431040	100	1	12
T431050	250	1	12
T431060	600	1	12
T431070	1000	1	6
T431080	2000	1	4
T431090	5000	1	2



083

080 Pipette Rack Horizontal

Material: PP

- Has provisions for 12 straight or small bulb pipette measuring over 200 mm
- Autoclavable • An excellent kit comprising of two end pieces connected with three rods • Can be disassembled and stored when not in use

Cat No	Places	Unit Pack	Case pack
T162010	12	1	6



080

084 Beaker Low - Form with Handle

Material: PMP

- Transparency enables clear viewing of the solutions inside • Easy to read silk screened graduations • Easy to grip comfortable handle
- Large spout for non drip and effective pouring • Autoclavable

Cat No.	Size ml	Unit Pack	Case Pack
T441040	100	1	12
T441050	250	1	12
T441060	600	1	12
T441070	1000	1	6
T441080	2000	1	4
T441090	5000	1	2



084

Micro Tips

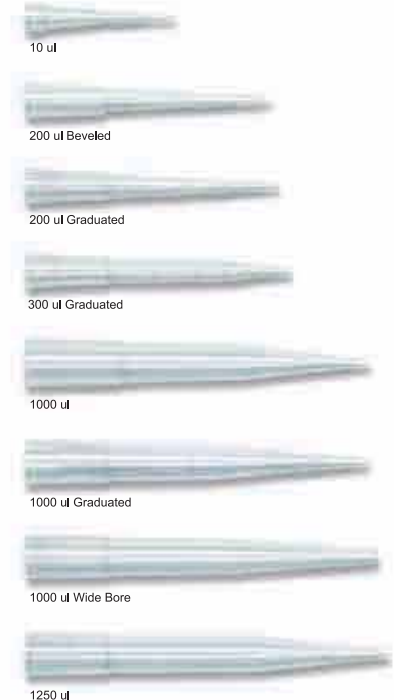


	Bulk	Racked	Racked Sterile	Stack
10 ul - length 30 mm Compatible with Biohit, Eppendorf, Finnpippet, Gilson, Nishiry, Rainin and Tarsons Pipettes	✓	✓	✓	✓
200 ul Beveled - length 50 mm Beveled reduces contact angle with the surface preventing capillary action Compatible with Biohit, Eppendorf, Finnpippet, Gilson, Nishiry, Rainin and Tarsons Pipettes	✓			
200 ul Grad - length 53 mm Compatible with Biohit, Eppendorf, Finnpippet, Gilson, Nishiry, Rainin and Tarsons Pipettes	✓	✓	✓	✓
300 ul Grad - length 55 mm Compatible with Biohit, Eppendorf, Finnpippet, Gilson, Nishiry, Rainin and Tarsons Pipettes	✓	✓	✓	
1000 ul - length 74 mm Compatible with Eppendorf, Gilson, FinnpiPETTE and Tarsons Pipettes	✓			
1000 ul Grad - length 71 mm Compatible with Eppendorf, Gilson, FinnpiPETTE and Tarsons Pipettes	✓	✓	✓	
1000 ul Wide Bore - length 71 mm Wide bore tips are ideal for working with viscous materials, genomic DNA or delicate cell cultures Compatible with Eppendorf, Gilson, FinnpiPETTE and Tarsons Pipettes	✓			
1250 ul - length 76 mm Compatible with Eppendorf, Gilson, FinnpiPETTE and Tarsons Pipettes	✓	✓	✓	
1250 XL - length 103 mm Easy to reach access restricted sample areas and to reach bottom of long tubes. Compatible with Eppendorf, Gilson, FinnpiPETTE and Tarsons Pipettes	✓			
5 ml - length 150 mm Easy to reach access restricted sample areas and to reach bottom of long tubes. Compatible with Gilson and Tarsons Pipettes	✓			
5 ml Grad - length 120 mm Compatible with Eppendorf Pipettes	✓			
10 ml Grad-length 165 mm Compatible with Eppendorf, Gilson and Tarsons Pipettes	✓			
10 ml Extra Long Grad-length 243 mm Easy to reach access restricted sample areas and to reach bottom of long tubes. Compatible with Eppendorf, Gilson and Tarsons Pipettes	✓			

085 Bulk Bag Pipette Tips

Material: PP - Autoclavable

Cat No	Capacity ul /Type	Unit Pack	Case Pack
T521000	10 Graduated	1000	20000
T521010	200 Beveled	1000	10000
T521010 - Y	200 Beveled Yellow	1000	10000
T521014	200 Graduated	1000	10000
T521014 - Y	200 Graduated Yellow	1000	10000
T521013	250 Graduated	1000	10000
T521015	300 Graduated	1000	10000
T521016	1000 Graduated	500	4000
T521016 - B	1000 Graduated Blue	500	4000
T521020	1000	500	4000
T521020 - B	1000 Blue	500	4000
T521017	1000 White Bore	500	4000
T521040	1250	500	4000
T521018	1250 Xtra long	500	4000
T521031	5ml Graduated	250	2500
T521032	5 ml	250	2500
T521033	10 ml Graduated	100	1000
T521034	10 ml Graduated Xtra Long	100	1000



086 Racked Pipette Tips

Material: PP - Autoclavable, Medical Grade resin confirming to USP Class VI

Cat No	Capacity ul /Type	Unit Pack	Case Pack
T521100	10 Graduated	960 (10 Racks)	4800 (50 Racks)
T521101	200 Graduated	960 (10 Racks)	4800 (50 Racks)
T521101 - Y	200 Graduated Yellow	960 (10 Racks)	4800 (50 Racks)
T521107	250 Graduated	960 (10 Racks)	4800 (50 Racks)
T521102	300 Graduated	960 (10 Racks)	4800 (50 Racks)
T521103	1000 Graduated	960 (10 Racks)	4800 (50 Racks)
T521103 - B	1000 Graduated Blue	960 (10 Racks)	4800 (50 Racks)
T521104	1250	960 (10 Racks)	4800 (50 Racks)

087 Racked Tips- Sterile

Material: PP- Autoclavable, Medical Grade resin confirming to USP Class VI

Cat No	Capacity ul /Type	Unit Pack	Case Pack
T522100	10 Graduated	960 (10 Racks)	4800 (50 Racks)
T522101	200 Graduated	960 (10 Racks)	4800 (50 Racks)
T522101 - Y	200 Graduated Yellow	960 (10 Racks)	4800 (50 Racks)
T522105	250 Graduated	960 (10 Racks)	4800 (50 Racks)
T522102	300 Graduated	960 (10 Racks)	4800 (50 Racks)
T522103	1000 Graduated	960 (10 Racks)	4800 (50 Racks)
T522103 - B	1000 Graduated Blue	960 (10 Racks)	4800 (50 Racks)
T522104	1250	960 (10 Racks)	4800 (50 Racks)

088 Tip Reload System

Material: PP- Autoclavable, Medical Grade resin confirming to USP Class VI

Cat No	Capacity ul /Type	Unit Pack	Case Pack
T521105	10 Graduated	960 (10 Racks)	9600 (100 Racks)
T521106	200 Graduated	960 (10 Racks)	9600 (100 Racks)
T521106 - Y	200 Graduated Yellow	960 (10 Racks)	9600 (100 Racks)

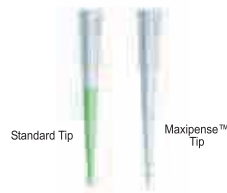
MAXIPENSE™ Low Retention Tips

Material : Medical Grade PP conforming USP Class VI



	Bulk	Racked	Racked Sterile
10 ul - length 30 mm Compatible with Biohit, Eppendorf, Finnpipet, Gilson, Nishiryo, Rainin and Tarsons Pipettes	✓	✓	✓
200 ul Beveled - length 50 mm Compatible with Biohit, Eppendorf, Finnpipet, Gilson, Nishiryo, Rainin and Tarsons Pipettes	✓		
200 ul Grad - length 53 mm Compatible with Biohit, Eppendorf, Finnpipet, Gilson, Nishiryo, Rainin and Tarsons Pipettes	✓	✓	✓
300 ul Grad - length 55 mm Compatible with Biohit, Eppendorf, Finnpipet, Gilson, Nishiryo, Rainin and Tarsons Pipettes	✓	✓	✓
1000 ul - length 74 mm Compatible with Eppendorf, Gilson, Finnpipette and Tarsons Pipettes	✓		
1000 ul Grad - length 71 mm Compatible with Eppendorf, Gilson, Finnpipette and Tarsons Pipettes	✓	✓	✓
1000 ul Wide Bore - length 71 mm Compatible with Eppendorf, Gilson, Finnpipette and Tarsons Pipettes	✓		
1250 ul - length 76 mm Compatible with Eppendorf, Gilson, Finnpipette and Tarsons Pipettes	✓	✓	✓

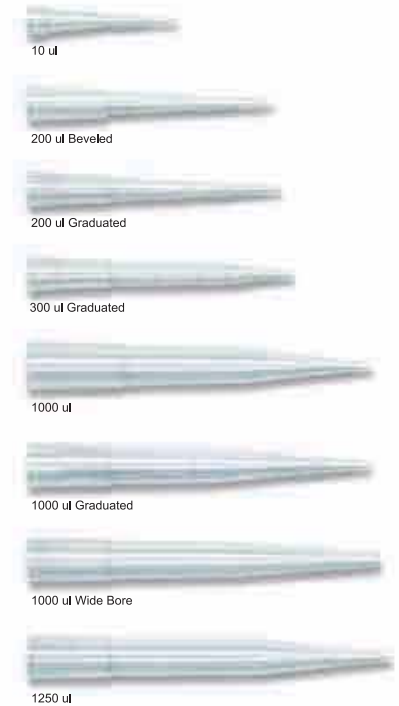
- Maxipense, low retention surface is achieved by treatment on molecular level, modifying the surface of the polymer with very low co-efficient of friction which is not effected by radiation or autoclaving
- These tips are not coated and are free from any additives which might contaminate your valuable sample, thus eliminates the loss of expensive reagents and having very high reproducible results
- Very useful for sensitive PCR® and real time PCR® applications
- Certified DNase, RNase and Pyrogen free



089 MAXIPENSE™ Ultra Low Retention Bulk Bagged Pipette Tips

Material: PP - Autoclavable

Cat No	Capacity ul /Type	Unit Pack	Case Pack
T523100	10 Graduated	1000	20000
T523101	200 Beveled	1000	10000
T523102	200 Graduated	1000	10000
T523108	250 Graduated	1000	10000
T523103	300 Graduated	1000	10000
T523104	1000	500	4000
T523105	1000 Graduated	500	4000
T523106	1000 White Bore	500	4000
T523107	1250	500	4000



090 Racked MAXIPENSE™ Ultra Low Retention Tips

Material: PP - Autoclavable, Medical Grade resin conforming to USP Class VI

Cat No	Capacity ul /Type	Unit Pack	Case Pack
T524100	10 Graduated	960 (10 Racks)	4800 (50 Racks)
T524101	200 Graduated	960 (10 Racks)	4800 (50 Racks)
T524105	250 Graduated	960 (10 Racks)	4800 (50 Racks)
T524102	300 Graduated	960 (10 Racks)	4800 (50 Racks)
T524103	1000 Graduated	960 (10 Racks)	4800 (50 Racks)
T524104	1250	960 (10 Racks)	4800 (50 Racks)

091 Racked MAXIPENSE™ Ultra Low Retention Tips - Sterile

Material: PP- Autoclavable, Medical Grade resin conforming to USP Class VI

Cat No	Capacity ul /Type	Unit Pack	Case Pack
T526100	10 Graduated	960 (10 Racks)	4800 (50 Racks)
T526101	200 Graduated	960 (10 Racks)	4800 (50 Racks)
T526105	250 Graduated	960 (10 Racks)	4800 (50 Racks)
T526102	300 Graduated	960 (10 Racks)	4800 (50 Racks)
T526103	1000 Graduated	960 (10 Racks)	4800 (50 Racks)
T526104	1250	960 (10 Racks)	4800 (50 Racks)

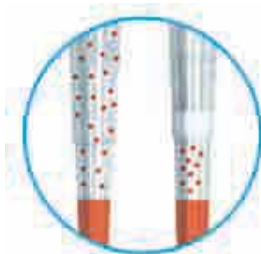
Filter Tips

Material : Medical Grade PP conforming to USP Class VI



	BULK	Racked Sterile	Maxipense Racked Sterile
10 ul - length 30 mm Compatible with Biohit, Eppendorf, Finnpipet, Gilson, Nishiry, Rainin and Tarsons Pipettes	✓	✓	✓
20 ul - length 53 mm Compatible with Biohit, Eppendorf, Finnpipet, Gilson, Nishiry, Rainin and Tarsons Pipettes	✓	✓	✓
50 ul - length 55 mm Compatible with Biohit, Eppendorf, Finnpipet, Gilson, Nishiry, Rainin and Tarsons Pipettes	✓	✓	✓
100 ul - length 55 mm Compatible with Biohit, Eppendorf, Finnpipet, Gilson, Nishiry, Rainin and Tarsons Pipettes	✓	✓	✓
200 ul - length 55 mm Compatible with Biohit, Eppendorf, Finnpipet, Gilson, Nishiry, Rainin and Tarsons Pipettes	✓	✓	✓
300 ul - length 55 mm Compatible with Biohit, Eppendorf, Finnpipet, Gilson, Nishiry, Rainin and Tarsons Pipettes	✓	✓	✓
1000 ul - length 76 mm Compatible with Eppendorf, Finnpipet, Gilson, Nishiry, Rainin and Tarsons Pipettes	✓	✓	✓

- TARSONS filter tips have hydrophobic polyethylene filter which protects samples and pipettes from contamination occurring due to Aerosol transfer
- Autoclavable filter tips are used for PCR[®], Molecular Biology, Microbiology, Cell Culture and radio active work
- Certified DNase, RNase and Pyrogen free



Standard Tip Filter Tip

092 Bulk Bag Filter Tips

Material: PP - Autoclavable

Cat No	Capacity ul /Type	Unit Pack	Case Pack
T527100	10 Graduated	1000	20000
T527101	20 Graduated	1000	10000
T527102	50 Graduated	1000	10000
T527103	100 Graduated	1000	10000
T527104	200 Graduated	1000	10000
T527105	300 Graduated	1000	10000
T527106	1000 Graduated	500	4000



093 Racked Filter Tips – Sterile

Material: PP - Autoclavable, Medical Grade resin conforming to USP Class VI

Cat No	Capacity ul /Type	Unit Pack	Case Pack
T528100	10 Graduated	1000	20000
T528101	20 Graduated	1000	10000
T528102	50 Graduated	1000	10000
T528103	100 Graduated	1000	10000
T528104	200 Graduated	1000	10000
T528105	300 Graduated	1000	10000
T528106	1000 Graduated	500	4000

094 Racked Filter MAXIPENSE™ Ultra Low Retention Tips- Sterile

Material: PP - Autoclavable, Medical Grade resin conforming to USP Class VI

Cat No	Capacity ul /Type	Unit Pack	Case Pack
T529100	10 Graduated	1000	20000
T529101	20 Graduated	1000	10000
T529102	50 Graduated	1000	10000
T529103	100 Graduated	1000	10000
T529104	200 Graduated	1000	10000
T529105	300 Graduated	1000	10000
T529106	1000 Graduated	500	4000

095 Empty Pipette Tip Box

Material: PP- Autoclavable

Cat no.	No. of Places	Capacity ul	Unit Pack	Case pack
T524052	96	10	10	50
T524053	96	200	10	50
T524054	96	1000	10	50
T524080	100	1000	10	50

Note: Cat no. T524080 is a 100 place box suitable for 1000 ul pipette tip Cat no. T521020



095

096 Reagent Reservoir

Material: PP - Autoclavable

Cat no.	Capacity ml	Unit Pack	Case pack
T524090	75	6	12



096

097 Universal Reagent Reservoir

Material: PP - Autoclavable

Cat no.	Capacity ml	Unit Pack	Case pack
T524091	50	1	12

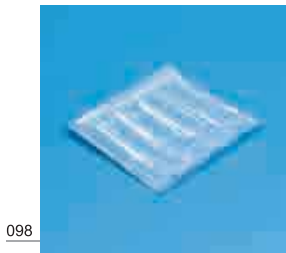


097

098 Individually Wrapped Pipette Tips in a Peel off Pouch – Sterile

Material: PP - Medical Grade resin conforming to USP Class VI

Cat No	Capacity ul /Type	Unit Pack	Case Pack
T520010	10 Graduated	1	400
T520020	200 Graduated	1	400
T520030	1000 Graduated	1	400



098

Desiccator

These thick walled vacuum desiccator made in premium plastics which is light and easy to handle. It can hold a vacuum 29 inch of mercury for 24 hrs without grease application. The three way PP stopcock has a Teflon key and the port accepts 6.35 mm id tube for vacuum suction.

Specifications for Plain and Vacuum Desiccator

Size	150 mm	200 mm	250 mm	300 mm
Flange O.D. of base	172 mm	230 mm	275 mm	335 mm
Inside Diameter	150 mm	198 mm	240 mm	296 mm
P.P. plate O.D.	138 mm	188 mm	229 mm	290 mm
Total Height	205 mm	255 mm	310 mm	383 mm

099 Desiccator - Non Vacuum

Material: PC/PP

Cat No.	Dia mm	Unit Pack	Case pack
T401010	150	1	6
T401020	200	1	6
T401030	250	1	6
T401040	300	1	4



099

100 Desiccator Vacuum

Material: PC/PP

Cat No.	Dia mm	Unit Pack	Case pack
T402010	150	1	6
T402020	200	1	6
T402030	250	1	6
T402040	300	1	4



100

101 Desiccator Vacuum - All Clear

Material: PC/PC

Cat No.	Dia mm	Unit Pack	Case pack
T403010	150	1	6
T403020	200	1	6
T403030	250	1	6
T403040	300	1	4



101

Desiccator Spare 'O' Ring

Material: Silicon Rubber

Cat No.	Dia mm	Unit Pack	Case pack
T402011	150	1	6
T402021	200	1	6
T402031	250	1	6
T402041	300	1	6

102 SPINWIN™ Micro Centrifuge Tube

Material: PP - Autoclavable

- These tubes are graduated having a frosted labeling surface • Can withstand an RCF of 20,000xG • Easy single hand operation • Packed in tamper evident resealable bags
- Smooth and polished interior surfaces that won't adhere most proteins • Very high clarity for optimum sample visibility • Certified DNase, RNase and Pyrogen free

Cat no.	Capacity ml	Color	Unit Pack	Case pack
T500000	0,5	Natural	1000	10000
T500010	1,5	Natural	500	5000
T500020	2	Natural	500	5000



102

103 SPINWIN™ Colored Micro Centrifuge Tube

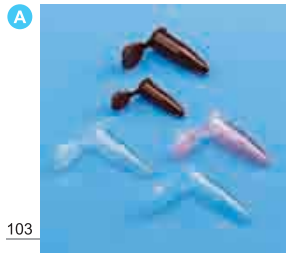
Material: PP - Autoclavable

- These tubes are graduated having a frosted labeling surface • Can withstand an RCF of 20,000xG
- Easy single hand operation • Packed in tamper evident resealable bags • Smooth and polished interior surfaces that won't adhere most proteins • Available in a wide variety of colors • Amber Vials have 0% light transmission from 270 to 600 nm • Certified DNase, RNase and Pyrogen free

Cat no.	Capacity ml	Color*	Unit Pack	Case pack
T500012	0,5	Amber	1000	10000
T500000-A	0,5	Assorted	(200 x 5)	10000
T500013	1,5	Amber	500	5000
T500010 - A	1,5	Assorted	(100 x 5)	5000
T500014	2	Amber	500	5000
T500020 - A	2	Assorted	(100 x 5)	5000

* Please order the other colors in the following way:

- Red - Cat no. T500000-R, T500010 - R, T500020 - R
 - Blue - Cat no. T500000-B, T500010 - B, T500020 - B
 - Green - Cat no. T500000-G, T500010 - G, T500020 - G
 - Yellow - Cat no. T500000-Y, T500010 - Y, T500020 - Y
 - Purple - Cat no. T500000-PR, T500010 - PR, T500020 - PR
- Assorted colors : Red, Blue, Green, Yellow and Purple



103

104 SPINWIN™ MAXIPENSE™ Ultra Low Adhesion Micro Centrifuge Tubes

Material: PP - Autoclavable

- These tubes are graduated having a frosted labeling surface • Can withstand an RCF of 20,000xG • Easy single hand operation • Packed in tamper evident resealable bags
- Smooth and polished interior surfaces that won't adhere most proteins • Very high clarity for optimum sample visibility • Maxipense™, low retention surface is achieved by treatment on molecular level modifying the surface of the polymer with very low coefficient of friction which is not effected by radiation or autoclaving. These tubes are not coated and are free from any additives which might contaminate the sample • Certified DNase, RNase and Pyrogen free

Cat No.	Capacity ml	Color	Unit Pack	Case pack
T500015	0,5	Natural	500	5000
T500016	1,5	Natural	250	2500
T500017	2	Natural	250	2500



104

105 Micro Pestle

Material: PP - Autoclavable

Cat No	Unit Pack	Case pack
T160020	12	12



105

106 SPINWIN™ Centrifuge Tube Conical Bottom

- **Material:** PP Tube/HDPE Closure- Autoclavable. Medical Grade resin conforming to USP Class VI
- 2 start thread for quick opening and closing of cap • Uniform wall thickness for superior performance
- Suitable for Cryogenic storage at -80° C • Leak proof with easy 3/4th turn and final 1/4th turn for perfect seal • Highly visible solvent resistant graduations and labeling area • Withstands high RCF of 16000xg in an angled rotor with suitable adaptors for conical tubes • Available either in resealable bags or convenient paper wraps • Certified DNase, RNase and Pyrogen free

Cat no.	Capacity ml	Type	Sterile	Unit Pack	Case pack
T500031	15	Bulk	No	25	500
T546021	15	Bulk	Yes	25	500
T500031 - RK	15	Rack	No	25	500
T546021 - RK	15	Rack	Yes	25	500
T500041	50	Bulk	No	25	500
T546041	50	Bulk	Yes	25	500
T500041 - RK	50	Rack	No	25	300
T546041 - RK	50	Rack	Yes	25	300



106

107 SPINWIN™ Amber Centrifuge Tube Conical Bottom

- **Material:** PP Tube/HDPE Closure- Autoclavable - Medical Grade resin conforming to USP Class VI
- Having the same features as the above tubes • These tubes are used in light sensitive application
- Withstands high RCF of 16000xg in an angled rotor with suitable adaptors for conical tubes

Cat no.	Capacity ml	Type	Sterile	Unit Pack	Case pack
T546011	15	Bulk	No	25	500
T546051	15	Bulk	Yes	25	500
T546011 - RK	15	Rack	No	25	500
T546051 - RK	15	Rack	Yes	25	500
T546031	50	Bulk	No	25	500
T546061	50	Bulk	Yes	25	500
T546031 - RK	50	Rack	No	25	300
T546061 - RK	50	Rack	Yes	25	300



107

108 SPINWIN™ Centrifuge Tube Conical Bottom

Material: PS Tube/HDPE closure

- Withstands RCF of 3000xg in an angled rotor with suitable adaptors for conical tubes

Cat no.	Capacity ml	Type	Sterile	Unit Pack	Case pack
T546010	15	Bulk	Yes	25	500
T546010 - RK	15	Rack	Yes	25	500
T546030	50	Bulk	Yes	25	500
T546030 - RK	50	Rack	Yes	25	300



108

109 Centrifuge Tube Round Bottom

Material: PP - Autoclavable.

- Lucid • Excellent chemical and abrasion resistance • Economical choice for refrigerated or standard centrifugation • Uniform wall thickness and extra strength • 80% of the total capacity must be filled for optimum performance • Withstands 50,000xg • offers excellent chemical resistance

Cat No	Nom Cap ml	Unit pack	Case pack
T542010	16	12	72
T542020	50	12	72



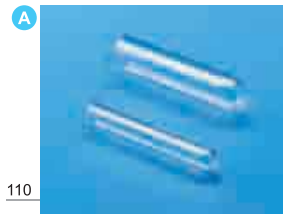
109

110 Centrifuge Tube Round Bottom

Material: PC - Autoclavable.

- High transparency provides optimum visibility of the samples • Economical choice for refrigerated or standard centrifugation • Uniform wall thickness • 80% of the total capacity must be filled for optimum performance • Withstands 50,000xg

Cat No	Nom Cap ml	Unit pack	Case pack
T543010	16	12	72
T543020	50	12	72



110

111 Cap – Centrifuge Tube Round Bottom

Material: PP Autoclavable

Cat no.	Capacity ml	Unit Pack	Case Pack
T540010	16	100	100
T540020	50	100	100



111

112 Centrifuge Tube Round Bottom with Screw Cap

Material: PP Tube/ PP Closure- Autoclavable.

- Economical choice for refrigerated or standard centrifugation • Uniform wall thickness • 80% of the total capacity must be filled for proper performance • Withstands up to 50,000xg • Biohazard safe and autoclavable • Screw closure ensures leak proof

Cat No	Nom Cap ml	Unit pack	Case pack
T541020	10	12	72
T541030	30	12	72
T541040	50	12	72
T541050	70	12	72



112

113 Centrifuge Bottle

Material: PP Bottle/PP Closure- Autoclavable.

- Rigid lucid body • Offers excellent chemical resistance • Bottle must be filled 80% of the total capacity for obtaining optimum result • Autoclavable

Cat No.	Capacity ml	Max RCF	Unit Pack	Case pack
T544010	250	27500	4	36
T544020	500	4800	4	24



113

114 Centrifuge Tube Box

Material: PP- Autoclavable.

- More durable and a better alternative to cardboard or foam racks • Grids properly indexed with clear lid that provides easy tube identification • Autoclavable

Cat No	Description	Array	LxWxH mm	Unit Pack	Case pack
T202090	36 Place box for 15 ml Tubes	6x6	145x145x130	1	4
T202100	16 Place box for 50 ml Tubes	4x4	145x145x130	1	4



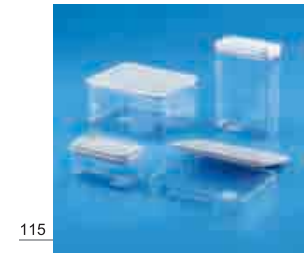
114

115 Sample Box

Material: SAN Box/ LDPE Closure.

- These boxes are ideally for dry materials like powders, filters, stoppers, chromatography sheets and fittings suitable for freezer storage • 500ml box is ideally for electrophoresis gel

Cat No.	Capacity ml	LxWxH mm	Unit Pack	Case pack
T527030	325	129x75x59	4	24
T527040	500	191x156x37	2	12
T527060	1000	127x73x175	2	12
T527070	2000	191x154x94	1	8



115

116 Storage Box

Material: PC - Autoclavable.

- These sturdy polycarbonate boxes with transparent cover are used for storage of vials, bottles and bags in freezer and refrigerator

Cat No.	Color*	LxWxH mm	Unit Pack	Case pack
T527080 - A	Assorted	133x133x52	4	24

Assorted colors :Blue, Green, Red and Yellow

* Please order the other colors in the following way:

- Blue - T527080 - B • Green - T527080 - G • Red - T527080 - R • Yellow - T527080 - Y



116

117 Float rack

Material: PP- Autoclavable.

- Used for cloning, microbiology and immunology labs • Offers excellent temperature resistance
- Racks float with a full load of filled tubes • Stout handle molded at the center provides support and comfort during transportation

Cat No	Description	No. of Places	LxWxH mm	Unit pack	Case pack
T240000	Square rack for 1.5ml Tubes	16	95x95x80	4	16
T240040	Round rack for 1.5 ml tubes	8	65Øx75	4	16



117

118 Rack for Micro Tube

Material: Re-enforced PP- Autoclavable.

- Stout and strong with support at the bottom for stability • Compatible with both 1.5/2 ml micro tubes
- Autoclavable

Cat No	Capacity ml	Wells	Color*	LxWxH mm	Unit pack	Case Pack
T240010-W	1.5/2	20	White	209x71x35	5	25

* Please order the other colors in the following way:

- Blue - T240010-B
- Red - T240010-R



118

119 Rack for Micro Tube

Material: PC- Autoclavable.

- Autoclavable rack ideal for sample processing and short or medium term storage of samples in a freezer • Can be stacked or coupled to other racks to form a larger work station

Cat No	Capacity ml	Wells	Color*	LxWxH mm	Unit pack	Case Pack
T241040-N	0.5	24	Natural	260x60x50	1	8
T241060-N	1.5/2,0	24	Natural	260x60x50	1	8

* Please order the other colors in the following way:

- Blue - T241040 - B, T241060 - B
- Yellow - T241040 - Y, T241060 - Y
- Green - T241040 - G, T241060 - G
- Orange - T241040 - O, T241060 - O



119

120 Polygrid Micro Tube Stand

Material: Re-enforced PP- Autoclavable

Cat No	Cap ml	Places	Color*	LxWxH mm	Unit Pack	Case pack
T205110 - W	1.5/2,0(Tube)	128	White	270x130x30	1	8
T205120 -W	1,0/1,8(Cryo Vial)	84	White	270x130x30	1	8

* Please order the other colors in the following way:

- Blue - T205110 - B, T205120 - B
- Red - T205110 - R, T205120 - R



120

121 POLYWIRE™ Rack for Micro Tube

Material: Re-enforced nylon - Autoclavable

- Single piece molded rack • Can be used in wide variety of temperature • Offers good chemical resistance • Handle provides much comfort during transportation

Cat No	Capacity ml	Wells	Color*	LxWxH mm	Unit pack	Case Pack
T241013-W	1.5/2,0	24	White	143x90x52	1	8
T241014-W	1.5/2,0	96	White	201x131x54	1	4

* Please order the other colors in the following way:

- Blue - T241013 - B, T241014 - B
- Red - T241013 - R, T241014 - R
- Yellow - T241013 - Y, T241014 - Y



121

122 80 Well Reversible Rack for Micro tubes

Material: PP- Autoclavable

- Fraction collector • Designed to hold 80 nos of 1.5/2 ml tubes whereas the reverse side holds 60 nos 0.5 ml tubes • Ideal for bench top use or freezer storage • Handles provide a secure grip during transportation

Cat No	Tubes ml	Wells	Color*	LxWxH mm	Unit pack	Case Pack
T251010 - A	1.5/2,0	80	Assorted	228x67x27	5	25
	0,2/0,5 ml	60				

* Please order the other colors in the following way:

- Natural - T251010 - N • Blue - T251010 - B • Green - T251010 - G • Pink - T251010 - P
- Yellow - T251010 - Y • Orange - T251010 - O • Red - T251010 - R
- Assorted colors Blue, Green, Pink, Yellow and Orange



122

123 96 Well Reversible Rack with cover for Micro tubes

Material: PP- Autoclavable

- Designed to hold 96 nos of 1.5/2 ml tubes whereas the reverse side holds 96 nos 0.5 ml tubes
- Suitable for both PCR and micro centrifuge tubes • Cover is translucent for clear viewing of the samples and also protects the samples • Ideal for bench top use or freezer storage • Handles provide a secure grip during transportation

Cat No	Tubes ml	Wells	Color*	LxWxH mm	Unit pack	Case Pack
T241010 - A	1.5/2,0	96	Assorted	221x131x46	5	25
	0.5	96				

* Please order the other colors in the following way:

- Natural - T241010 - N • Blue - T241010 - B • Green - T241010 - G • Pink - T241010 - P
- Yellow - T241010 - Y • Orange - T241010 - O • Red - T241010 - R
- Assorted colors : Blue, Green, Pink, Yellow and Orange

96 Well Reversible Rack for Micro tubes without cover

Material: PP- Autoclavable

Cat No	Tubes ml	Wells	Color*	LxWxH mm	Unit pack	Case Pack
T251020- A	1.5/2,0	96	Assorted	221x131x26	5	25
	0.5	96				

* Please order the other colors in the following way:

- Natural - T251020 - N • Blue - T251020 - B • Green - T251020- G • Pink - T251020 - P
- Yellow - T251020 - Y • Orange - T251020 - O • Red - T251020 - R
- Assorted colors Blue, Green, Pink, Yellow and Orange



123

124 Micro Tube Box

Material: PC/LDPE

- Can withstand a wide range of temperature • Lid facilitates easy viewing of the samples
- Accommodates 81/64 tubes

Cat No	Tubes ml	Place	Unit pack	Case Pack
T524040	0.2	81	4	24
T524060	0.5	81	4	24
T524070	1.5	64	4	24



124

125 Test Tube Peg Rack

Material: Re-Enforced PP- Autoclavable

- Stout, Rigid and Attractive • Ideal for bench work or tube storage • Design allows easy viewing of the tube contents • Can be used to dry inverted tubes to minimize collection of air borne contaminants inside the tubes • Can also be used to hold and dry electrophoresis and chromatography plates
- Chemically resistant

Cat No	Tube mm	Color*	Array	LxWxH mm	Unit Pack	Case Pack
T205060-W	13	White	96	179x127x64	2	8
T205070-W	17	White	50	187x105x70	2	8

* Please order the other colors in the following way:

- Blue - Cat no. T205060 - B, T205070 - B
- Red - Cat no. T205060 - R, T205070 - R



125



126 POLYWIRE™ Test Tube Rack

Material: Re-Enforced Nylon- Autoclavable
 • Molded in one piece and have 3 tier grid design • They have good thermal and chemical resistance and will not corrode or float in water bath • Flat labeling area • Available in seven vibrant colors

Cat No	Size mm	Color*	LxWxH mm	Array	Unit pack	Case pack
T202110-W	13	White	200x102x57	6x12	1	8
T202111-W	16	White	248x127x70	6x12	1	8
T202112-W	20	White	250x102x83	4x10	1	8
T202113-W	25	White	300x121x92	4x10	1	8
T202114-W	30	White	83x108x83	3x8	1	8

- * Please order the other colors in the following way:
- Blue - Cat no. 202110 - B, 202111 - B, 202112 - B, 202113 - B and 202114 - B
 - Red - Cat no. 202110 - R, 202111 - R, 202112 - R, 202113 - R and 202114 - R
 - Green - Cat no. 202110 - G, 202111 - G, 202112 - G, 202113 - G and 202114 - G
 - Yellow - Cat no. 202110 - Y, 202111 - Y, 202112 - Y, 202113 - Y and 202114 - Y
 - Magenta - Cat no. 202110 - M, 202111 - M, 202112 - M, 202113 - M and 202114 - M
 - Orange - Cat no. 202110 - O, 202111 - O, 202112 - O, 202113 - O and 202114 - O



128 POLYWIRE™ Economy Test Tube Rack

Material: Re-Enforced PP- Autoclavable
 • Economical choice to Nylon half racks • Molded in one piece and have 3 tier grid design
 • Flat labeling area • Available in seven vibrant colors

Cat No	Size mm	Color*	LxWxH mm	Array	Unit pack	Case pack
T202115-W	13	White	200x102x57	6x12	1	8
T202116-W	16	White	248x127x70	6x12	1	8
T202117-W	20	White	250x102x83	4x10	1	8
T202118-W	25	White	00x121x92	4x10	1	8
T202119-W	30	White	283x108x83	3x8	1	8

- * Please order the other colors in the following way:
- Blue - Cat no. 202115 - B, 202116 - B, 202117 - B, 202118 - B and 202119 - B
 - Red - Cat no. 202115 - R, 202116 - R, 202117 - R, 202118 - R and 202119 - R
 - Green - Cat no. 202115 - G, 202116 - G, 202117 - G, 202118 - G and 202119 - G
 - Yellow - Cat no. 202115 - Y, 202116 - Y, 202117 - Y, 202118 - Y and 202119 - Y
 - Magenta - Cat no. 202115 - M, 202116 - M, 202117 - M, 202118 - M and 202119 - M
 - Orange - Cat no. 202115 - O, 202116 - O, 202117 - O, 202118 - O and 202119 - O



127 POLYWIRE™ Half Test Tube Rack

Material: Re-Enforced Nylon- Autoclavable
 • Same features as Polywire Rack Full size but more space efficient which makes them easily fit in ice tray and water baths

Cat No	Size mm	Color*	LxWxH mm	Array	Unit pack	Case pack
T201010-W	13	White	102x102x56	6x6	1	8
T201011-W	16	White	126x126x68	6x6	1	8
T201012-W	20	White	128x103x83	4x5	1	8
T201013-W	25	White	122x122x75	4x4	1	8
T201014-W	30	White	109x109x84	3x3	1	8

- * Please order the other colors in the following way:
- Blue - Cat no. 201010 - B, 201011 - B, 201012 - B, 201013 - B and 201014 - B
 - Red - Cat no. 201010 - R, 201011 - R, 201012 - R, 201013 - R and 201014 - R
 - Green - Cat no. 201010 - G, 201011 - G, 201012 - G, 201013 - G and 201014 - G
 - Yellow - Cat no. 201010 - Y, 201011 - Y, 201012 - Y, 201013 - Y and 201014 - Y
 - Magenta - Cat no. 201010 - M, 201011 - M, 201012 - M, 201013 - M and 201014 - M
 - Orange - Cat no. 201010 - O, 201011 - O, 201012 - O, 201013 - O and 201014 - O

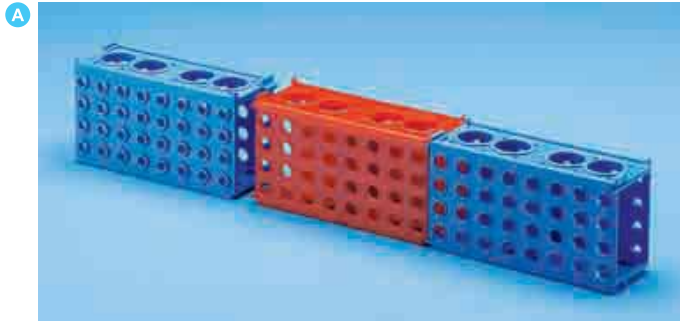


129 POLYWIRE™ Economy Half Test Tube Rack

Material: Re-Enforced PP- Autoclavable
 • Economical choice to Nylon half racks • Same features as Polywire Rack Full size but more space efficient which makes them easily fit in ice tray and water baths

Cat No	Size mm	Color*	LxWxH mm	Array	Unit pack	Case pack
T201015-W	13	White	102x102x56	6x6	1	8
T201016-W	16	White	126x126x68	6x6	1	8
T201017-W	20	White	128x103x83	4x5	1	8
T201018-W	25	White	122x122x75	4x4	1	8
T201019-W	30	White	109x109x84	3x3	1	8

- * Please order the other colors in the following way:
- Blue - Cat no. 201015 - B, 201016 - B, 201017 - B, 201018 - B and 201019 - B
 - Red - Cat no. 201015 - R, 201016 - R, 201017 - R, 201018 - R and 201019 - R
 - Green - Cat no. 201015 - G, 201016 - G, 201017 - G, 201018 - G and 201019 - G
 - Yellow - Cat no. 201015 - Y, 201016 - Y, 201017 - Y, 201018 - Y and 201019 - Y
 - Magenta - Cat no. 201015 - M, 201016 - M, 201017 - M, 201018 - M and 201019 - M
 - Orange - Cat no. 201015 - O, 201016 - O, 201017 - O, 201018 - O and 201019 - O



130 COMBILOK™ 4 Way Tube Rack

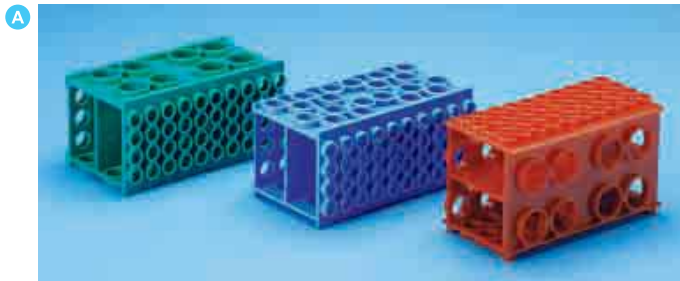
Material: PP- Autoclavable

- Racks can be inter locked to form a larger rack • Easy to lock and unlock the rack
- These rack can accommodate different sizes of tube • Holds four 50 ml tubes, twelve 15 ml tubes, thirty two 1.5 ml micro tubes and thirty two 0.5 ml micro tubes

Cat No	Color*	LxWxH mm	Unit Pack	Case pack
T202081-A	Assorted	170x96x60	5	20

* Please order the other colors in the following way:

- Natural - Cat no. T202081 - N, Blue - T202081 - B, Green - T202081 - G, Pink - T202081 - P, Yellow - T202081 - Y, Orange - T202081 - O
- Assorted colors Blue, Green, Pink, Yellow and Orange



131 Universal Combi 4 way Tube Rack

Material: PP- Autoclavable

- Designed to support a variety of tube sizes • Can be rotated to any of the four positions for convenience • Can hold tubes of the following sizes- Eight 30 mm/50 ml tubes, Twenty 20 mm tubes, Twenty Four 17 mm/15ml tubes, Forty 12 mm tubes

Cat No	Color*	LxWxH mm	Unit Pack	Case pack
T202080-A	Assorted	200x100x96	5	20

* Please order the other colors in the following way:

- Natural - Cat no. T202080 - N, Blue - T202080 - B, Green - T202080 - G, Pink - T202080 - P, Yellow - T202080 - Y, Orange - T202080 - O
- Assorted colors : Blue, Green, Pink, Yellow and Orange

132 Drying Rack

Material: ABS/PC

- Wall mounted with 20 pegs • Pegs can be unscrewed and removed in case of larger labware

Cat No	No of Pegs	Unit Pack	Case Pack
T240050	20	1	1



132

133 Drying Rack

Material: Steel/Polyester

- Wall mounted with 30 pegs • Pegs can be snapped in and out and removed in case of larger lab ware • Trough consists of a hole for drainage of water • Corrosion free and easy to clean

Cat No	No of Pegs	Unit Pack	Case Pack
T241100	30	1	1



133

134 Polygrid Test Tube Stand

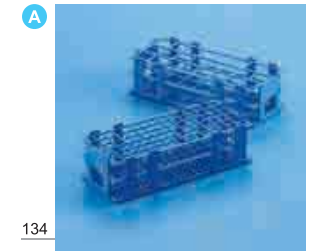
Material: Re-Enforced PP- Autoclavable

- Assembled racks designed to hold a variety of test tubes

Cat No	Size mm	Color*	Wells/Array	LxWxH mm	Unit Pack	Case Pack
T205010-W	13	White	90/6x15	246x104x64	1	8
T205020-W	16	White	60/5x12	246x104x64	1	8
T205030-W	20	White	40/4x10	246x104x64	1	8
T205040-W	25	White	24/3x8	246x104x64	1	8

* Please order the other colors in the following way:

- Blue - Cat no. 205010 - B, 205020 - B, 205030 - B and 205040 - B
- Red - Cat no. 205010 - R, 205020 - R, 205030 - R and 205040 - R
- Yellow - Cat no. 205010 - Y, 205020 - Y, 205030 - Y and 205040 - Y



134

135 Test Tube Stand

Material: Re-Enforced PP

- Sturdy handles facilitates easy transportation • Assembled racks designed to hold a variety of test tubes

Cat No	Size mm	Color*	Wells	LxWxH mm	Unit Pack	Case Pack
T202010-W	13	White	31	272x65x110	1	4
T202020-W	16	White	31	272x65x110	1	4
T202030-W	20	White	20	322x69x129	1	4
T202040-W	25	White	18	322x69x129	1	4
T202050-W	32	White	12	278x83x126	1	4

* Please order the other colors in the following way:

- Blue - Cat no. 202010 - B, 202020 - B, 202030 - B, 202040 - B and 202050 - B
- Red - Cat no. 202010 - R, 202020 - R, 202030 - R, 202040 - R and 202050 - R
- Yellow - Cat no. 202010 - Y, 202020 - Y, 202030 - Y, 202040 - Y and 202050 - Y



135

136 A) CRYOCHILL™ Vial External Thread

Material: PP Tube/HDPE Closure, Medical Grade resin conforming to USP class VI
 • They are designed for use in mechanical freezer and the vapor phase of liquid nitrogen
 • They meet the IATA requirements of withstanding evacuation of 95K Pascal without leaking and thus are suitable for transport of diagnostic specimen • Leak proof with easy 3/4th turn and final 1/4th turn for perfect seal • Packed in resealable bags • Highly visible graduations and labeling area • Two start thread for quick opening and closing of cap • Star foot design
 • Certified DNase, RNase and Pyrogen free

Cat no.	Capacity ml	Unit Pack	Case Pack
T523011	1.0 Sterile	25	500
T523021	1.8 Sterile	25	500
T523031	4.5 Sterile	10	250

136



B) CRYOCHILL™ Vial External Thread - Bulk

Material: PP Tube/HDPE Closure, Medical Grade resin conforming to USP class VI
 • Same feature as the above Vials but packed in bulk economical bags

Cat no.	Capacity ml	Unit Pack	Case Pack
T523012	1.0 Sterile	1000	1000
T523022	1.8 Sterile	1000	1000
T523032	4.5 Sterile	500	500

137



137 CRYOCHILL™ Vial Internal Thread with Silicone Washer

Material: PP Tube/PP closure, Medical Grade resin conforming to USP class VI

Cat no.	Capacity ml	Unit Pack	Case Pack
T523192	1.0 Sterile	25	500
T523193	1.8 Sterile	25	500
T523194	4.5 Sterile	10	250

138



138 CRYOCHILL™ Coder

Material: PP
 • These coders fit both Tarsons external thread and internal thread wire

Cat no.	Color*	Unit Pack	Case Pack
T523111	White	100	500

* Please order the other colors in the following way:
 • Blue - T523112 • Red - T523113 • Yellow - T523114 and • Green - T523115

139 Rack for CRYOCHILL™ Vials

Material: PC- Autoclavable
 • Tarsons Cryochill Vials can be locked in the base of these racks to allow single handed opening and closing of the vials

Cat No.	Wells	LxWxH mm	Color*	Unit Pack	Case Pack
T241051 - W	50	195x101x24	White	1	4

* Please order the other colors in the following way:
 • Blue - T241051 - B • Red - T241051 - R and • Green - T241051 - G

139



140 CRYOCHILL™ Polycarbonate Storage Boxes



Material: PC-Autoclavable
 • These Cryo Boxes are a durable and economic alternative to flimsy cardboard Cryo Boxes
 • These Cryo Boxes can be used in temperatures ranging from -196° C to +121° C
 • The printed grid on the lid helps in inventory management and prevents misalignment
 • These Boxes accept writing with markers designed for ultra low temperature for easy sample identification
 • Accommodates both internal and external threaded vials as well as standard micro tubes
 • Available in a variety of array, capacity and colors

Cat no.	Wells/ Array	Tubes ml	Color*	LxWxH mm	Unit Pack	Case Pack
T524000 - W	25/5x5	1.0/ 1.8	White	76x76x51	8	48
T524010 - W	81/9x9	1.0/ 1.8	White	133x133x52	4	24
T524020* - W	100/10x10	1.0/ 1.8	White	133x133x52	4	24
T524011 - W	81/9x9	3.0	White	133x133x82	4	24
T524030 - W	81/9x9	4.5	White	133x133x95	4	24

* Please order the other colors in the following way:
 • Red - Cat no. T524000 - R, T524010 - R, T524020* - R, T524011 - R, T524030 - R
 • Yellow - Cat no. T524000 - Y, T524010 - Y, T524020* - Y, T524011 - Y, T524030 - Y
 • Green - Cat no. T524000 - G, T524010 - G, T524020* - G, T524011 - G, T524030 - G
 • Blue - Cat no. T524000 - B, T524010 - B, T524020* - B, T524011 - B, T524030 - B
 • Orange - Cat no. T524000 - O, T524010 - O, T524020* - O, T524011 - O, T524030 - O
 • Assorted - Cat no. T524000 - A, T524010 - A, T524020* - A, T524011 - A, T524030 - A
 Assorted colors : Red, Yellow, Green, Blue

+ T524020 - W, T524020 - R, T524020 - Y, T524020 - G, T524020 - B, T524020 - O and T524020 - A can fit only internal thread vials (1 & 1.8 ml) and similar diameter external thread vials.



141 CRYOCHILL™ Polypropylene Freezer Storage Boxes

Material: PP – Autoclavable

- These boxes are designed with a hinge lid for ease of operation as well as to prevent accidental opening of the boxes in deep freezer
- These boxes are stackable and are designed for storage upto -90° C

Cat No.	Wells/ Array	Tubes ml	Color*	LxWxH mm	Unit Pack	Case Pack
T202060 – N	50/5x10	1.0/1.8 Cryo Vial	Natural	140x73x59	5	20
		1.5/2.0 Micro Tube				
T202070 – N	100/10x10	1.0/1.8 Cryo Vial	Natural	129x129x57	5	20
		1.5/2.0 Micro Tube				
T212060 - N	81/9x9	1.0/1.8 Cryo Vial	Natural	141x141x58	5	20
		1.5/2.0 Micro Tube				

* Please order the other colors in the following way:

- Blue - Cat no.T202060 - B, T202070 - B, T212060 - B
 - Yellow - Cat no.T202060 - Y, T202070 - Y, T212060 - Y
 - Orange - Cat no.T202060 - O, T202070 - O, T212060 - O
 - Purple - Cat no.T202060 - P, T202070 - P, T212060 - P
 - Green - Cat no.T202060 - G, T202070 - G, T212060 - G
 - Black - Cat no.T202060 - BK, T202070 - BK, T212060 - BK
 - Assorted -Cat no.T202060 - A, T202070 - A, T212060 - A
- (Assorted colors Blue, Yellow, Orange, Green & Purple)

142 CRYOCHILL™ 1°C Cooler

Material: PC/HDPE

- Used for cell cryo preservation and recovery
- Unit gives -1°C/min cooling rate for 18 cryo vials of 1 or 1.8 ml
- Needs 100% isopropyl alcohol and mechanical freezer

Cat No	Wells	Tubes ml	HxDia mm	Unit Pack	Case Pack
T525000	18	1.0/1.8	86x117	1	1



142

143 Quick Freeze

Material: PC/Insulating solution

- An economical alternative to dry ice solvent baths for quick chilling of specimens

Cat No	Wells/ Array	LxWxH mm	Unit Pack	Case Pack
T525040	12/4x3	151x108x125	1	1



143

144 Rack for CRYOCHILL™ Boxes

Material: PC - Autoclavable

- Provides storage space for all standard size Cryo Boxes
- Vertical construction saves valuable bench space

Cat No	Places	LxWxH mm	Unit Pack	Case Pack	Cat No
T524031	4 Boxes	140x140x300	1	6	
T524034	8 Boxes	140x140x600	1	6	



144

145 CRYOCHILL™ Coolers 0°C

Material: PC/Non Toxic Gel

- An alternate to ice bucket for keeping reagents and enzymes cool
- Also protects critical sample from temperature fluctuation in the freezers
- Freeze 0° C mini cooler for 24 hrs at -5° C to -10° C before use

Cat No.	Wells/ Array	Tubes ml	LxWxH mm	Unit Pack	Case Pack
T525010	12/3x4	1.5	151x108x125	1	1
T526010	32/4x8	1.5	243x157x146	1	1
T525020	12/3x4	15	197x140x190	1	1
T526050	12/3x4	Blood Collection Tube	197x140x190	1	1



146 CRYOCHILL™ Cooler with Gel filled Cover 0°C

Material: PC/Non Toxic Gel

- An alternate to ice bucket for keeping reagents and enzymes cool
- Also protects critical sample from temperature fluctuation in the freezers
- Freeze 0° C mini cooler for 24 hrs at -5° C to -10° C before use

Cat No.	Wells/ Array	Tubes ml	LxWxH mm	Unit Pack	Case Pack
T525050	32/4x8	1.5	243x157x146	1	1



147 CRYOCHILL™ Cooler – 20°C

Material: PC/Non Toxic Gel

- An alternate to ice bucket for keeping reagents and enzymes cool
- Also protects critical sample from temperature fluctuation in the freezers
- Freeze -20° C mini cooler for 24 hrs at -20° C to -25° C before use

Cat No.	Wells/ Array	Tubes ml	LxWxH mm	Unit Pack	Case Pack
T525030	12/3x4	1.5	151x108x125	1	1
T526030	32/4x8	1.5	243x157x146	1	1
T526040	20/4x5	1.5	151x108x125	1	1

148 CRYOCHILL™ Cooler with Gel filled Cover – 20°C

Material: PC/Non Toxic Gel

- An alternate to ice bucket for keeping reagents and enzymes cool
- Also protects critical sample from temperature fluctuation in the freezers
- Freeze -20° C mini cooler for 24 hrs at -20° C to -25° C before use

Cat No.	Wells/ Array	Tubes ml	LxWxH mm	Unit Pack	Case Pack
T525060	32/4x8	1.5	243x157x146	1	1

149 CRYOCHILL™ PCR® Cooler – 20°C

Material: PC/Non Toxic Gel

- An alternate to ice bucket for keeping reagents and enzymes cool
- Also protects critical sample from temperature fluctuation in the freezers
- Freeze -20° C mini cooler for 24 hrs at -20° C to -25° C before use

Cat No.	Wells/ Array	Tubes ml	LxWxH mm	Unit Pack	Case Pack
T525110	96/8x12	0.2	151x108x125	1	1

150 CRYOCHILL™ Ice Bucket with Lid

Material: PU

- Durable rigid ice bucket is unbreakable in normal use • Convenient handle makes it easily portable
- Excellent insulating properties suitable for use with liquid nitrogen, dry ice, water ice, salt solution and acetone

Cat No.	Capacity L	LxWxH mm	Color*	Unit Pack	Case Pack
T525150 - BK	2.5	283x283x130	Black	1	1
T525160 - BK	4.5	280x280x185	Black	1	1

* Please order the other colors in the following way:

- Blue - Cat no. T525150 - B, T525160 - B
- Green - Cat no. T525150 - G, T525160 - G
- Red - Cat no. T525150 - R, T525160 - R



151 CRYOCHILL™ Ice Tray

Material: PU

- Durable rigid ice bucket is unbreakable in normal use • Convenient handle makes it easily portable
- Excellent insulating properties suitable for use with liquid nitrogen, dry ice, water ice, salt solution and acetone

Cat No.	Capacity L	LxWxH mm	Color*	Unit Pack	Case Pack
T525120 - BK	1	175x175x100	Black	1	1
T525130 - BK	4	315x235x130	Black	1	1
T525140 - BK	9	445x375x155	Black	1	1

* Please order the other colors in the following way:

- Blue - Cat no. T525120 - B, T525130 - B, T525140 - B
- Green - Cat no. T525120 - G, T525130 - G, T525140 - G
- Red - Cat no. T525120 - R, T525130 - R, T525140 - R



152 Staining Box

Material: PP Box, PP Cover/LDPE Plug

- Good for staining and destaining and handling of electrophoresis gels and membranes
- Plug in the box allows easy liquid drainage with minimal gel handling

Cat No	LxBxH mm	Unit Pack	Case pack
T482020	125x125x50	1	2
T482060	225x225x50	1	2



152

153 Staining Box (Amber)

Material: PP Box, PP Cover/LDPE Plug

- This box is suitable to be used in light sensitive applications

Cat No	LxBxH mm	Unit Pack	Case pack
T482080	125x125x50	1	2
T482090	225x225x50	1	2



153

154 Staining Box

Material: PMP Bpx, PP Cover/LDPE Plug

- Good for staining and destaining and handling of electrophoresis gels and membranes
- Plug in the box allows easy liquid drainage with minimal gel handling

Cat No	LxBxH mm	Unit Pack	Case pack
T482030	125x125x50	1	2
T482070	225x225x50	1	2



154

155 Planton – Plant Tissue Culture Container

Material: PC Container/PP Cover –Autoclavable
 • Unique cap and drip ring makes the container ideal for plant tissue culture

Cat no.	LxWxH mm	Unit Pack	Case Pack
T020080	75x75x100	1	12



155

156 Stirring Rod

Material: PP-Autoclavable
 • These Autoclavable stirring rod have a flat paddle 16x16 mm at one end and triangular paddle at the other end and an overall length of 245 mm

Cat No.	LxB mm	Unit Pack	Case Pack
T144000	16 x 16	1	12

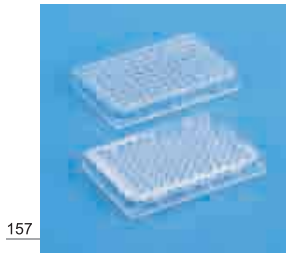


156

157 Micro Test plate

Material: PS
 • These plates are available in three versions for a variety of application

Cat No.	Type	Wells	Capacity ul	Unit Pack	Case Pack
T941196	Flat Bottom	96	400	1	50
T941296	U Bottom	96	300	1	50
T941396	V Bottom	96	300	1	50

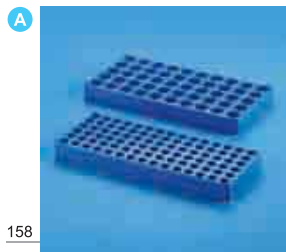


157

158 Rack for Scintillation Vial

Material: PP-Autoclavable

Cat No.	Wells/Array	Tubes ml	LxWxH mm	Unit Pack	Case Pack
T240020	90/6x15	8	352x145x31	1	2
T240030	50/5x10	20	343x178x31	1	2



158

159 Straight Side Wide Mouth

Material: PC Jar/PP Closure- Autoclavable
 • High clarity and good chemical an impact resistance • Excellent for cold room and refrigerated use

Cat No	Size ml	Size oz	Closure mm	Color	Unit Pack	Case Pack
T881080-N	125	4	70	Natural	4	24
T881090-N	250	8	70	Natural	4	24
T881100-N	500	16	120	Natural	4	16
T881111-N	1000	32	120	Natural	4	16



159

160 Straight Side Wide mouth Jar- PMP

Material: PMPJar/PP Closure- Autoclavable
 • Offers clarity and good chemical resistance • Excellent for use in museum, formaldehyde loss is only 2% per year

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T883080	125	4	70	4	24
T883090	250	8	70	4	24
T883300	500	16	120	4	16
T883333	1000	32	120	4	16



160

161 Straight Side Wide Mouth Jar

Material: PP Jar/ PP Closure- Autoclavable
 • Translucent and rigid • Structure provides full access and easy retrieval of samples • Offers excellent chemical resistance • Extremely versatile for collection and storing of pastes, solids, specimens and lab supplies • Repeated Autoclaving

Cat No	Size ml	Size oz	Closure mm	Unit Pack	Case Pack
T882080	125	4	70	4	24
T882090	250	8	70	4	24
T882200	500	16	120	4	16
T882222	1000	32	120	4	16



161

162 Straight Side Wide Mouth Jar

Material: Colored PC Jar/ PP Closure- Autoclavable

Cat No	Size ml	Size oz	Closure mm	Color*	Unit Pack	Case Pack
T881080-B	125	4	70	Blue	4	24
T881090-B	250	8	70	Blue	4	24
T881100-B	500	16	120	Blue	4	16
T881111-B	1000	32	120	Blue	4	16

* Please order the other colors in the following way:
 • Green - Cat no. T881080-G, T881090-G, T881100-G, T881111-G
 • Grey - Cat no. T881080-GR, T881090-GR, T881100-GR, T881111-GR



162

163 Disposable Graduated Transfer Pipette

Material: LDPE

- Unbreakable and graduated • Eliminates the hazard of damage and exposure to infectious materials
- Ideal for use in blood banking, urinalysis, hematology and microbiology • Low affinity surface reduces the loss of cells and valuable proteins

Cat no.	Description	Total length mm	Capacity ml	Graduated upto ml	Unit Pack	Case Pack
T940070	Bulk Bag Non Sterile	150	5	1	500	6000
T940080	Individually Wrapped Sterile	150	5	1	(1x500)	3000
T940090	20 Pcs per Bag Sterile	150	5	1	(25x20)	3000
T940050	Bulk Bag Non Sterile	150	7	3	500	6000
T940060	Individually Wrapped Sterile	150	7	3	(1x500)	3000
T940091	20 Pcs per Bag Sterile	150	7	3	(25x20)	3000



163

167 Petri Dish Radiation Sterile

Material: PS

Cat No.	DiaxH mm	No. of Vents	Unit Pack	Case Pack
T460095	90x14	3	20	480
T460040	90x14	Non - Vented	20	480



167

164 Radioimmunoassay Vials

Material: PP-- Autoclavable

- Translucent • Used for serology where low absorption of protein is very important • Tubes can accept common acids, alkalis and solvents at room temperature • Amber vials have 0% transmission from 270 to 600 nm

Cat No	DiaxH mm	Color	Unit Pack	Case pack
T850020	12x75	Natural	500	10000
T850070	12x75	Amber	500	10000
T850060	12x40	Natural	500	10000
T850071	12x40	Amber	500	10000



164

168 Aseptic Petri Dish

Material: PS

- These Petri dishes are manufactured in clean room under aseptic conditions which ensures no contact with any contaminants • These Petri dishes are particulate free and have the added advantage of being free of chemical residues produced by ETO which causes false negative reading • It also eliminates stress and discoloration caused by radiation sterilization

Cat No.	DiaxH mm	No. of Vents	Unit Pack	Case Pack
T460092	90x14	3	20	500
T460050	90x14	Non - Vented	20	500



168

165 Radioimmunoassay Vials

Material: PS

- Transparent • Used in coagulation and bacteriology • Tubes can accept weak acids, mild bases and non organic solvents at room temperature • Ideal for wide range of applications

Cat No	Size mm	Color	Unit Pack	Case pack
T850010	12x75	Natural	500	10000
T850050	12x40	Natural	500	10000

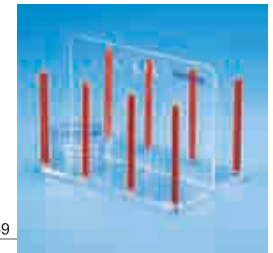


165

169 Rack for Petri Dish

Material: PMMA/PC

Cat No.	Places	Petri Dish mm	LxWxH mm	Unit Pack	Case Pack
T270090	60	90	300x200x200	1	2
T270060	56	60	270x140x165	1	2



169

166 Plug Closure for Radioimmunoassay Vials

Material: HDPE

Cat No	Size mm	Color*	Unit Pack	Case pack
T850000	12	Natural	500	10000
T850001	12	Amber	500	10000

- * Please order the other colors in the following way:
- White - T850000 - W • Red - T850000 - R • Blue - T850000-B
 - Yellow - T850000 - Y • Green - T850000 - G



166

170 Storage Vial

Material: PP Tube/HDPE closure

- These vials are used in the storage and transport of diagnostic specimen and other solution

Cat No.	Capacity ml	Sterile	Unit Pack	Case Pack
T523070	5	No	500	500
T523080	5	Yes	500	500
T523150	10	No	500	500
T523160	10	Yes	500	500



170

171 Coplin Staining Jar

Material: PP

Cat No	No. of Places	Unit pack	Case pack
T480000	10	1	12



171

172 Slide Box for Microscope

Material: PS

• Available in three sizes • Made from extremely durable high impact polystyrene • Index card fits in the lid to record slide title

Cat No	Places	Color*	LxWxH mm	Unit Pack	Case pack
T481010-W	25	White	125x95x35	1	12
T481020-W	50	White	230x95x35	1	12
T481030-W	100	White	230x185x35	1	6

* Please order the other colors in the following way:

- Red - Cat no. T481010 - R, T481020 - R, T481030 - R
- Blue - Cat no. T481010 - B, T481020 - B, T481030 - B
- Green - Cat no. T481010 - G, T481020 - G, T481030 - G



172

173 A) Slide Storage Rack

Material: ABS/SAN

• The removable rack holds 100 slides in prenumbered slots • The spacing between each slide allows adequate forward and backward movement for reference and easy removal or insertion of the slides • The rack is placed in a box with a transparent cover • For space saving purpose the spacing in the rack permits 2 slides per slot thus providing storage for up to 200 slides

Cat No	Places	Color*	LxWxH mm	Unit Pack	Case Pack
T483000-W	100	White	240x85x95	1	6

* Please order the other colors in the following way:

- Pink - T483000-P • Yellow - T483000-Y • Blue - T483000-B • Green - T483000-G

B) Slide Draining Rack- ABS

Material: ABS

Cat No	Places	Color*	LxWxH mm	Unit Pack	Case Pack
T483010-W	100/200	White	230x75x25	1	6

* Please order the other colors in the following way:

- Pink - T483010 - P • Yellow - T483010 - Y • Blue - T483010 - B • Green - T483010 - G



173

174 Microscope slide file

Material: ABS/SAN

• The slide file holds upto 20 standard microscopic slides • The base holds the slide horizontally in pre numbered spaces for easy identification • The transparent cover protects the slides and allow easy reading of ID labels with or without an optical bar code reader

Cat No.	Places	Color*	LxWxH mm	Unit Pack	Case Pack
T481060 - W	20	White	29x19x15	1	12

* Please order the other colors in the following way:

- Grey - T481060 - GR • Yellow - T481060 - Y • Blue - T481060 - B • Green - T481060 - G



174

175 Round Magnetic Stirring Bar with Pivot Ring

Material: PTFE/Alnico V Magnet

Cat no.	DiaxH mm	Unit Pack	Case Pack
T4210	6x10	10	10
T4110	8x14	10	10
T4111	8x22	10	10
T4112	8x30	10	10
T4113	8x40	10	10
T4114	8x50	10	10
T4115	8x65	5	5
T4120	9,5x14	10	10
T4121	9,5x22	10	10
T4122	9,5x30	10	10
T4123	9,5x40	10	10
T4124	9,5x50	10	10
T4125	9,5x65	5	5
T4133	12,7x38	2	2
T4137	12,7x76	2	2



175

176 Polygon Magnetic Stirring Bar

Material: PTFE/Alnico V Magnet

Cat no.	DiaxH mm	Unit Pack	Case Pack
T4240	6x10	10	10
T4140	8x14	10	10
T4141	8x22	10	10
T4142	8x30	10	10
T4143	8x40	10	10
T4144	8x50	10	10
T4145	8x60	5	5



176

177 Octagon Magnetic Stirring Bar

Material: PTFE/Alnico V Magnet

Cat no.	DiaxH mm	Unit Pack	Case Pack
T4250	6x10	10	10
T4150	8x14	10	10
T4151	8x22	10	10
T4152	8x30	10	10
T4153	8x40	10	10
T4154	8x50	10	10
T4155	8x60	5	5



177

181 Trapezoidal Magnetic Stirring Bar

Material: PTFE/Rare Earth Magnet

- The high energetic rare earth magnet has higher torque and efficiency as compared to conventional stirring bar

Cat no.	DiaxH mm	Unit Pack	Case Pack
T4190	20x45	1	1



181

178 Triangular Magnetic Stirring Bar

Material: PTFE/Alnico V Magnet

- Ideal for dissolving solids and mixing of sediments

Cat no.	DiaxH mm	Unit Pack	Case Pack
T4180	14x30	2	2
T4181	14x40	2	2
T4182	14x50	2	2



178

182 Micro Spin Magnetic Stirring Bar

Material: PTFE/Alnico V Magnet

Cat no.	DiaxH mm	Unit Pack	Case Pack
T4160	2x6	10 (1 set	10
	3x10	consisting 5 of each size)	



182

179 Dumb Bell Magnetic Stirring Bar

Material: PTFE/Alnico V Magnet

- Ideal for vicious mixtures and round bottom container

Cat no.	DiaxH mm	Unit Pack	Case Pack
T4170	20x35	5	5
T4171	20x45	5	5
T4172	20x55	5	5



179

183 Spinwings

Material: PTFE/Alnico V Magnet

- These stirring bars are used for effective stirring in small conical and round centrifuge and test tube

Cat no.	Description	Unit Pack	Case Pack
T522000	Triangular, Half Round, Half Round Taper	1 Set consisting 2 of each size	6



183

180 Cross Spin Magnetic Stirring Bar

Material: PTFE/Alnico V Magnet

Cat no.	LxB mm	Unit Pack	Case Pack
T4191	9,5x9,5	5 (1 set consisting 1 of each size)	5
	19x19		
	25x25		
	32x32		
	38x38		



180

184 Magnetic Retriever

Material: PTFE/Alnico V Magnet

Cat no.	Length cm	Unit Pack	Case Pack
T4192	30	2	2



184

Physical Properties of Tarsons Labware

Resin	Max Use Temp °C	Brittleness Temp °C	Transparency	Sterilization					Specific Gravity	Flexibility	Water Absorption %
				Auto-claving	Gas	Dry Heat	Radiation	Disinfectant			
HDPE	120	-100	Translucent	No	Yes	No	Yes	Yes	0.95	Rigid	<0.01
LDPE	80	-100	Translucent	No	Yes	No	Yes	Yes	0.92	Excel	<0.01
PC	135	-135	Clear	Yes +	Yes	No	No	Yes	1.20	Rigid	0.35
PMMA	50	20	Clear	No	Yes	No	Yes	Some	1.20	Rigid	0.30
PP	135	0	Translucent	Yes	Yes	No	No	Yes	0.90	Rigid	<0.02
PS	90	20	Clear	No	Yes	No	Yes	Some	1.05	Rigid	0.05
PSF	165	-10	Clear	Yes	Yes	Yes +	Yes	Yes	1.24	Rigid	0.30
PTFE	270	-200	Opaque	Yes	Yes	Yes	No	Yes	2.17	Excel	<0.01
PVDF	110	-62	Translucent	Yes	Yes	No	No	Yes	1.75	Rigid	0.05
TPX*	175	20	Clear	Yes	Yes	Yes +	No	Yes	0.83	Rigid	<0.01

Sterilization

- Autoclaving (121°C, 15 psig for 20 minutes) Clean and rinse item with distilled water before autoclaving. Certain Chemicals which have no appreciable effect on resins at room temperature may cause deterioration at autoclaving temperatures. **ALWAYS COMPLETELY DISENGAGE THREADS BEFORE AUTOCLAVING.**
- Gas - Ethylene oxide, formaldehyde.
- Dry heat - 160°C for 120 minutes
- Disinfectant - Benzalkonium chloride, Formalin, Ethanol, etc.
- Radiation - gamma irradiated at 2.5 Mrad with unstabilized plastic.
- + Sterilizing reduces mechanical strength. Do not use PC vessels for vacuum application if they have been autoclaved.

Chemical Resistance for Tarsons Labware

Classes of Substances at Room Temperature	HDPE	LDPE	PC	PMMA	PP	PS	PSF	PTFE	PVDF	TPX*
Acids, Dilute or Weak	E	E	E	G	E	E	E	E	E	E
Acids, Strong and Concentrated	E	E	N	N	E	F	G	E	E	E
Alcohols, Aliphatic	E	E	G	N	E	E	G	E	E	E
Aldehydes	G	G	F	G	G	N	F	E	E	G
Bases	E	E	N	F	E	E	E	E	E	E
Esters	G	G	N	N	G	N	N	E	G	G
Hydrocarbons, Aliphatic	G	F	F	G	G	N	G	E	E	F
Hydrocarbons, Aromatic	G	F	N	N	F	N	N	E	E	F
Hydrocarbons, Halogenated	F	N	N	N	F	N	N	E	N	N
Ketones	G	G	N	N	G	N	N	E	N	F
Oxidizing Agents, Strong	F	F	N	N	F	N	G	E	G	F

Resin Code

- HDPE** High-density polyethylene
- LDPE** Low-density polyethylene
- PC** Polycarbonate
- PMMA** Polymethyl methacrylate
- PP** Polypropylene
- PS** Polystyrene
- PSF** Polysulfone
- PTFE** Polytetrafluoroethylene
- PVDF** Polyvinylidene fluoride
- TPX*** Polymethylpentene

Chemical Resistance Classification

- E = Excellent** - 30 days of constant exposure cause no damage. Plastics may even tolerate for years.
- G = Good** - Little or no damage after 30 days of constant exposure to the reagent.
- F = Fair** - Some effect after 7 days of constant exposure to the reagent like crazing, cracking, loss of strength or discoloration.
- N = Not Recommended** - Not for continuous use. Immediate damage may occur.

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