

PRODUCT TABLOID VOLUME 19



"Working for you"

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TOUGH-TAGS®

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WELL ORIENTER

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NEW

Thermal Transfer Handheld Printer

Tough-Tag and Cryo-Tag Reliability with Portable Convenience

PORTABLE - Each printer is equipped with a hand strap for ease of carrying

LARGE DISPLAY - The What You See Is What You Get display gives an exact preview of what each printed label will look like

CONVENIENCE - Label samples in the field or the lab

BARCODES - Print the most popular barcodes including Code 39, Code 128 and EAN

SERIALIZE - Use the series function to instantly print an alphanumeric series of labels



Thermal Transfer Tough-Tags®

Thermal Transfer Labels for Storage in Temperatures From **-40°C to 150°C**. Boilable and autoclavable.

CAT. NO.	COLOR	TAG SIZE (INCHES / MILLIMETERS)	IDEAL USE	U OF M
1. HAND-2000	White	1.375" x 0.625" / 35mm x 16mm	1.5ml-2.0ml tubes	500/roll

Thermal Transfer Cryo-Tags®

Thermal Transfer Labels for Storage in Temperatures From **-196°C to 80°C**

CAT. NO.	COLOR	TAG SIZE (INCHES / MILLIMETERS)	IDEAL USE	U OF M
2. HAND-3000	White	1.50" x 0.50" / 38mm x 13mm	0.5ml-2.0ml tubes	500/roll

CAT. NO.	COLOR	DESCRIPTION	U OF M
HAND-1000	Blue	Spirit 2100 Handheld Printer (Each system includes a Spirit 2100 printer, rechargeable battery, charger, ribbon cartridge, manual, software, and a hard case)	EACH
HHRI-1000	Black	Thermal Transfer Resin Ribbon cartridge (2" x 131')	ROLL

Handheld Tough-Tags and Cryo-Tags Sizing Guide

1. TOUGH-TAG
1.375" x 0.625"
for 1.5ml-2.0ml tubes

2. CRYO-TAG
1.50" x 0.50"
for 0.5-2.0ml tubes



Clear Cryogenic Storage Labels for Use with Laser Printers

"THE CHOICE IS CLEAR" - Contents of vials beneath labels remain visible.

TEMPERATURE-RESISTANT - -196°C to 70°C. Cryo-Clear labels remain fully adhered down to -196°C (liquid and vapor phase nitrogen).

DURABLE - Chemically inert labels resist most organic solvents and caustic agents. Labels adhere to plastics*, glass and metals without cracking, peeling or degrading.

LASER PRINTABLE - Label sheets are specially top-coated to accept laser printing and other markings. Heat-resistant, stay-flat sheets will not jam in laser printers.

INNOVATIVE - Made with a flexible, vinyl label material and permanent acrylic adhesive. This unique combination expands and contracts together as temperatures fluctuate resulting in a strong and sustained adhesive bond.



Cryo-Clear Laser Labels - Sizing Guide

1. 1.28" x 0.50"
for 1.5-2.0ml tubes

2. 0.94" x 0.50"
for 0.5ml tubes

† Patented

*NOTE: Siliconized surfaces should be avoided. Apply to clean, dry tubes at room temperature. 100% virgin polypropylene tubes are recommended.

CAT. NO.	COLOR	TAG SIZE (INCHES / MILLIMETERS)	SHEET LAYOUT	LABELS/SHT	IDEAL USE	U OF M
1. CLEAR-170	Clear	1.28" x 0.50" / 33mm x 13mm	5 Across - 17 Down	85	1.5ml tubes	1,700/pk
2. CLEAR-238	Clear	0.94" x 0.50" / 24mm x 13mm	7 Across - 17 Down	119	0.5ml tubes	2,380/pk



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LASER TOUGH-TAGS®

Labels for Microcentrifuge Tubes and Other Containers



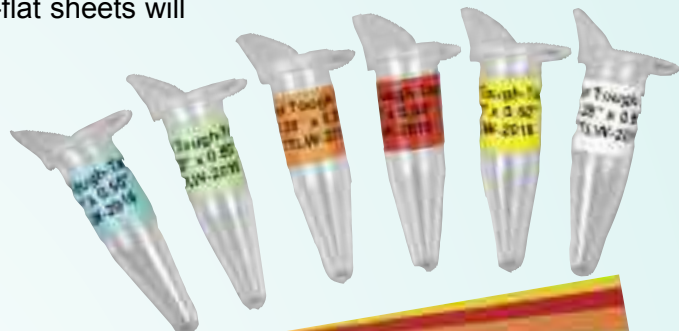
* 100% Virgin Polypropylene tubes are recommended for optimal performance. Avoid the use of siliconized surfaces.

TEMPERATURE-RESISTANT - From -40°C to 121°C. Tough-Tags resist boiling water baths, autoclaving and moderate freezer temperatures.

TOUGH - Chemically inert, polyester sheets resist most organic solvents and caustic agents. They adhere to most plastics*, glass and metals without cracking, peeling or degrading.

COMPATIBLE - Tubes labeled with Tough-Tags easily slide in and out of centrifuge rotors without binding.

SPECIALLY DESIGNED - Label sheets are specially top-coated to readily accept laser printing. Heat-resistant, stay-flat sheets will not jam in laser printers.



Laser Tough-Tags - Sizing Guide

1. 1.28" x 0.50"
for 1.5-2.0ml tubes

2. 0.94" x 0.50"
For 0.5ml tubes

3. 1.50" x 0.75"
General Purpose Label

4. 0.875"
square for
Microscope
Slides

Packs are available in Individual Colors or in *Rainbow Packs (5 sheets of each color)

Blue Green Orange Red Yellow

5. 1.50" x 0.75"
For General Purpose

6. 1.50" x 0.50"
For 1.5-2.0ml tubes

7. 1.05" x 0.50"
For 0.5ml tubes

Available in CLEAR only

8. 1.00" x 1.00"
for Microscope
Slides

9. 2.50" x 0.50"
for 1.5-2.0ml tubes

10. 0.91" x 0.32"

11. 2.625" x 0.1875"

12. 1.625" x 0.625"
General Purpose Label

Available in WHITE only



Laser sheets are available in individual colors and also in Rainbow Packs

CAT. NO.	COLOR	TAG SIZE (INCHES / MILLIMETERS)	SHEET LAYOUT	LABELS/SHT	IDEAL USE	U OF M
1. TTLW-2016-x	Specify	1.28" x 0.50" / 33mm x 13mm	5 Across - 17 Down	85	1.5ml tubes	2,125/pk
RNBW-3000	Rainbow*	1.28" x 0.50" / 33mm x 13mm	5 Across - 17 Down	85	1.5ml tubes	2,125/pk
2. TTSW-2240-x	Specify	0.94" x 0.50" / 24mm x 13mm	7 Across - 17 Down	119	0.5ml tubes	2,975/pk
RNBW-3100	Rainbow*	0.94" x 0.50" / 24mm x 13mm	7 Across - 17 Down	119	0.5ml tubes	2,975/pk
3. TTGP-1050-x	Specify	1.50" x 0.75" / 38mm x 19mm	5 Across - 12 Down	60	1.5ml - 2.0ml tubes	1,500/pk
RNBW-3200	Rainbow*	1.50" x 0.75" / 38mm x 19mm	5 Across - 12 Down	60	1.5ml - 2.0ml tubes	1,500/pk
4. MISL-1000-x	Specify	0.875" x 0.875" / 22mm x 22mm	8 Across - 12 Down	96	Microscope Slides	2,400/pk
RNBW-3300	Rainbow*	0.875" x 0.875" / 22mm x 22mm	8 Across - 12 Down	96	Microscope Slides	2,400/pk
5. CLTT-1000	Clear	1.50" x 0.75" / 38mm x 19mm	5 Across - 12 Down	60	General Purpose	1,200/pk
6. CLTT-2000	Clear	1.50" x 0.50" / 38mm x 13mm	5 Across - 16 Down	80	1.5-2.0ml tubes	1,600/pk
7. CLTT-3000	Clear	1.05" x 0.50" / 27mm x 13mm	6 Across - 16 Down	96	0.5ml tubes	1,920/pk
8. LTTI-1000	White	1.00" x 1.00" / 25mm x 25mm	8 Across - 10 Down	80	Microscope Slides	2,000/pk
9. FLAG-1000	White	2.50" x 0.50" / 64mm x 13mm	3 Across - 20 Down	60	0.5ml - 2.0ml tubes	1,500/pk
10. LTTM-1000	White	0.91" x 0.32" / 23mm x 8mm	7 Across - 22 Down	154	0.2ml PCR tubes	3,850/pk
11. SETT-1000	White	2.625" x 0.1875" / 67mm x 5mm	3 Across - 33 Down	99	Microplates	2,475/pk
12. LTTI-2000	White	1.625" x 0.625" / 41mm x 16mm	4 Across - 16 Down	64	General Purpose	1,600/pk
13. TTSH-1000	White	8.50" x 11.00" / 216mm x 279mm	Blank Sheet	Blank	Cut to Size	25 Blank Sheets

To Specify color, substitute (x) with a letter: B=Blue, G=Green, O=Orange, R=Red, Y=Yellow [Ordering Example: TTLW-2016-R for Red, TTSW-2240 for White]

TOUGH-TAGS® On A Roll

COMPATIBLE - Tough-Tags are pre-cut, peel-off labels which accept any marking instrument. They are perfectly sized to fit microcentrifuge tubes and other containers in the laboratory.

CONVENIENT - Dispensing box assists in labeling individual tubes used in small experiments.



Tough-Tags on a Roll - Sizing Guide

1. 0.94" x 0.50"
For 0.5ml tubes

2. 1.28" x 0.50"
For 1.5-2.0ml tubes

3. 1.50" x 0.75"
General Purpose Label
(white only)

4. 1.50" x 0.25" For Microplates
(white only)

5. 0.81" x 0.28"
(white only)

CAT. NO.	COLOR	TAG SIZE (INCHES / MILLIMETERS)	U OF M
1. TTSW-1000	White	0.94" x 0.50" / 24mm x 13mm	1,000/roll
TTS(x)-1000	Specify	0.94" x 0.50" / 24mm x 13mm	1,000/roll
2. TTLW-1000	White	1.28" x 0.50" / 33mm x 13mm	1,000/roll
TTL(x)-1000	Specify	1.28" x 0.50" / 33mm x 13mm	1,000/roll
3. TTGP-1000	White	1.50" x 0.75" / 38mm x 19mm	1,000/roll
4. TT-SWALL	White	1.50" x 0.25" / 38mm x 6mm	1,000/roll
5. TT-TNY	White	0.81" x 0.28" / 21mm x 7mm	1,500/roll

To Specify color, substitute (x) with a letter: B=Blue, C=Clear, G=Green, O=Orange, R=Red, Y=Yellow [Ordering Example: TTLR-1000 for Red]

THERMAL TRANSFER TOUGH-TAGS® / THERMAL TRANSFER CRYO-TAGS®

Pre-cut, Peel-Off Labels Designed for Use in Thermal Transfer Printers



Unique solvent-resistant, acrylic-based adhesive provides excellent cold temperature performance.

Resists degradation from scuffing, chemicals, moisture and wide temperature fluctuations.

Specially coated for use with a resin ribbon that provides the best performance under extreme conditions.

Print as little as one label at a time, eliminating label waste and saving time and money.

Print crisp, clear, professional quality labels.



Thermal Transfer Tough-Tags and Cryo-Tags are a reliable and convenient way to identify samples with text or a barcode on microtubes, microplates, bottles and other laboratory containers.

Thermal Transfer Tough-Tags

Thermal Transfer Labels for Storage in Temperatures From **-40°C** to **150°C**. Boilable and autoclavable.

CAT. NO.	TAG SIZE (INCHES)	TAG SIZE (MILLIMETERS)	IDEAL USE
1. THER-1094	0.94" x 0.50"	24mm x 13mm	0.5ml tubes
2. THER-1128	1.28" x 0.50"	32mm x 13mm	1.5ml-2.0ml tubes
3. THER-1137	1.375" x 0.625"	35mm x 16mm	1.5ml-2.0ml tubes
4. THER-1150	1.50" x 0.75"	38mm x 19mm	General Purpose
5. THER-1225	2.00" x 0.25"	51mm x 6mm	Microplates

ALL LABELS ARE WHITE AND ARE ON 1" I.D. CORES WITH 2,000 LABELS PER ROLL

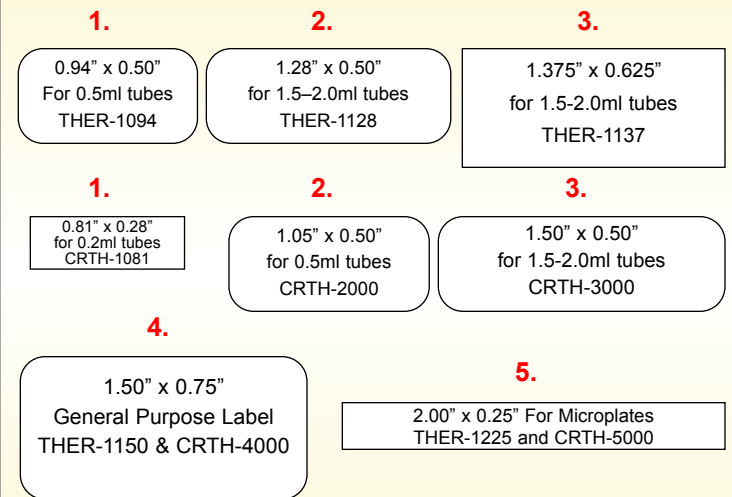
Thermal Transfer Cryo-Tags

Thermal Transfer Labels for Storage in Temperatures From **-196°C** to **80°C**

CAT. NO.	TAG SIZE (INCHES)	TAG SIZE (MILLIMETERS)	IDEAL USE
1. CRTH-1081	0.81" x 0.28"	20.6mm x 7mm	0.2ml PCR tubes
2. CRTH-2000	1.05" x 0.50"	27mm x 13mm	0.5ml tubes
3. CRTH-3000	1.50" x 0.50"	38mm x 13mm	1.5ml-2.0ml tubes
4. CRTH-4000	1.50" x 0.75"	38mm x 19mm	General Purpose
5. CRTH-5000	2.00" x 0.25"	51mm x 6mm	Microplates

ALL LABELS ARE WHITE AND ARE ON 1" I.D. CORES WITH 2,000 LABELS PER ROLL

Thermal Transfer Tough-Tag and Cryo-Tag Sizing Guide



Thermal Transfer Tough-Tags and Thermal Transfer Cryo-Tags are available on 3" ID cores for large printers. **Please call for pricing.**

THERMAL TRANSFER ACCESORIES

CAT. NO.	DESCRIPTION	U OF M
THPR-3000	Zebra Printer - Model TLP 2844	Each
THRI-5000	Resin Ribbon - 2.50" x 244' (63mm x 74 meters)	Each
THSO-1000	Labels Unlimited 2.0 (label software)	Each

100% Virgin Polypropylene tubes are recommended for optimal performance. Avoid the use of siliconized surfaces.

DIRECT THERMAL TOUGH-TAGS® For Use with Direct Thermal Printers

LABEL FEATURES

- Withstands temperatures from -40°C to 70°C
- Freezable in liquid nitrogen when label ends overlap (not applicable to round labels).
- Resistant to scuffing, smearing and chemicals
- Print barcodes for easy sample tracking
- Limit label waste by printing the quantity required
- Quick and easy setup for PC's or MAC's
- Small DYMO printer takes up little space

CAT. NO.	LABEL SIZE (INCHES/MILLIMETERS)	IDEAL USE
1. DTHE-1000	1.05" x 0.50" / 27mm x 13mm	0.5ml tubes
2. DTHE-2000	1.50" x 0.50" / 38mm x 13mm	1.5ml tubes
3. DTHE-3000	1.50" x 0.75" / 38mm x 19mm	2.0ml tubes
4. DTHE-4000	3/8" diameter / 9.5mm diameter	0.5ml tubes
5. DTHE-5000	2.00" x 0.25" / 51mm x 6mm	Microplates
6. DTHE-6000	1.50" x 0.50" - 3/8" diameter spot	1.5ml tubes

ALL LABELS ARE WHITE, ON 1" I.D. CORES WITH 1,000 LABELS/ROLL

CATALOG NO.	DESCRIPTION	U OF M
DYMO-0400	Dymo® LabelWriter® 400	Each

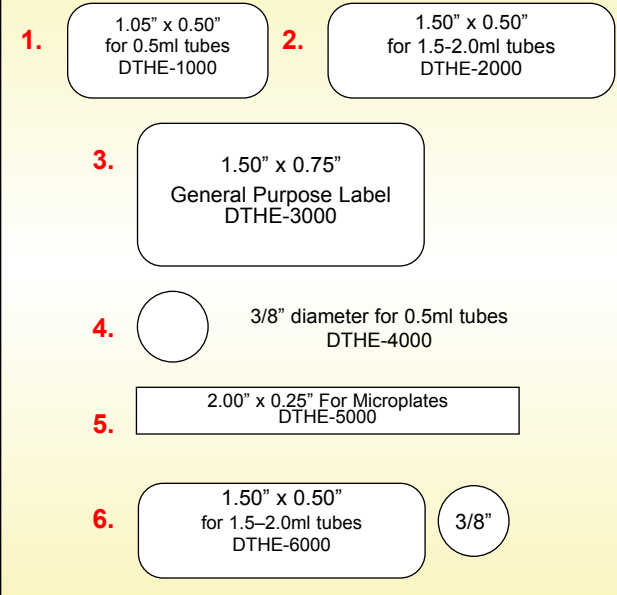
Dymo and LabelWriter are registered trademarks of the Dymo Corp., an Esselte Office Products co.



INNOVATIVE LABEL SOLUTIONS
Combo Tough-Tag / Tough-Spot label set allows for quick and easy labeling of tube tops as well as the side of the tube.

100% Virgin Polypropylene tubes are recommended for optimal performance. Avoid the use of siliconized surfaces.

Sizing Guide (actual label sizes shown)



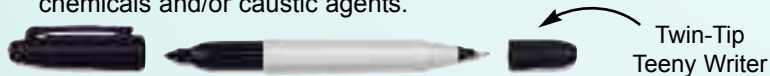
Solvent Resistant Pens & Teeny Writers

Solvent Resistant Pens feature an ultra-permanent ink.

- * Resistant to xylene, alcohol, acetone and formalin
- * Ideal for histology and cytology
- * Markings will not run on embedding cassettes or frosted/painted slides and labware, even after repeated washes and solution treatments.
- * Remove markings with acetic acid, an ethanol/xylene mixture or paraffin. Testing advised before use.

Teeny Writers are perfect general use lab markers.

- * The Twin-Tip Teeny Writer has a fine tip and an ultra fine tip
- * The original Teeny Writer has an extra fine tip
- * Both are ideal for writing on Tough-Tags and Tough-Spots
- * Use for labeling samples stored at room temperature and not exposed to chemicals and/or caustic agents.



CATALOG NO.	DESCRIPTION	COLOR	TIP (MILLIMETERS)
122 BLACK	Solvent Resistant	Black	Extra Fine (0.6)
130 RED	Solvent Resistant	Red	Extra Fine (0.6)
TNY-TWIN	Twin-Tip	Black	Fine/Ultra Fine (0.7/0.3)
THY-WTR	Teeny Writer	Black	Extra Fine (0.4)

Rocker Tape



Double-Sided Adhesive Film for Laboratory Container Mounting

CONVENIENT - No more fumbling with clamps

VERSATILE - Use with rockers, shakers, incubators or nutators

STRONG - Easily rock and roll up to 300rpm and beyond*

LONG LASTING - Re-usable based on load capacity and vessel number

RESISTANT - Keeps on rockin' even in the presence of most solvents and caustic agents



* RPM limits may vary based on load and vessel contact area. Test load recommended.

CAT. NO.	TAPE SIZE (INCHES / METRIC)	U OF M
ROCK-1000	1.50" x 20' (38mm x 6m)	ROLL
ROCK-2000	12.00" x 12.00" (30cm x 30cm)	3/pack

LASER CRYO-BABIES[®] AND CRYOTAGS[®]

Labels for Cryogenic Storage[†]



TEMPERATURE-RESISTANT - From -196°C to 150°C. Cryo-Babies and Cryo-Tags withstand freezer temperatures down to -196°C (liquid and vapor phase nitrogen), boiling water baths (100°C), autoclaving and moderate oven temperatures (150°C).

TOUGH - Chemically inert labels resist most organic solvents and caustic agents. They adhere to most plastics*, glass and metals without cracking, peeling or degrading.

SPECIALLY DESIGNED - Label sheets are specially top-coated to readily accept laser printing. Heat-resistant, stay-flat sheets will not jam in laser printers.

INNOVATIVE - Made with a flexible, polyolefin[†] label material and acrylic adhesive. This unique combination expands and contracts together with temperature fluctuations resulting in a strong adhesive bond.

[†] Patented

* 100% Virgin Polypropylene tubes are recommended. Avoid the use of siliconized surfaces.

Sizing Guide for Laser Cryo-Babies & Cryo-Tags

1. 1.28" x 0.50" for 1.5-2.0ml tubes (white and colors)	6. 2.625" x 1.00" For boxes, tube racks & other containers (white and colors)	10. 1.00" x 1.00" For Microscope Slides (white only)
2. 0.94" x 0.50" for 0.5ml tubes (white and colors)	7. 3.00" x 2.00" For bottles, tube racks, boxes and other laboratory containers (white only)	11. 1.125" x 1.75" For racks and boxes (white only)
3. 1.50" x 0.75" General Purpose (white and colors)	8. 1.28" x 0.50" for 1.5-2.0ml tubes (white only) 3/8" CMBO-1000	
4. 1.69" x 0.75" CryoVials (white and colors)	9. 2.50" x 0.50" For 0.5ml - 2.0ml tubes (white only)	
5. 1.50" x 0.25" (Microplates)		

Blue

Green

Orange

Red

Yellow

White

Packs are available in Individual Colors or in Rainbow Packs (4 sheets of each color). See ordering information below.



COLOR LASER SIDEWALL CRYO-TAGS - Color coding microtiter plates has never been easier. Order packs of single colors or a Rainbow Pack to get 4 sheets each of Blue, Green, Orange, Red and Yellow.

CAT. NO.	COLOR	TAG SIZE (INCHES / MILLIMETERS)	SHEET LAYOUT	LABELS/SHT	IDEAL USE	U OF M
1. LCRY-1700-x	Specify	1.28" x 0.50" / 33mm x 13mm	5 Across - 17 Down	85	1.5ml tubes	1,700/pk
RNBW-2200	Rainbow*	1.28" x 0.50" / 33mm x 13mm	5 Across - 17 Down	85	1.5ml tubes	1,700/pk
MINI-1700	White	1.28" x 0.50" / 33mm x 13mm	3 Across - 17 Down	51	1.5ml tubes	1,020/pk
2. LCRY-2380-x	Specify	0.94" x 0.50" / 24mm x 13mm	7 Across - 17 Down	119	0.5ml tubes	2,380/pk
RNBW-2300	Rainbow*	0.94" x 0.50" / 24mm x 13mm	7 Across - 17 Down	119	0.5ml tubes	2,380/pk
3. LCRY-1200-x	Specify	1.50" x 0.75" / 38mm x 19mm	5 Across - 12 Down	60	General Purpose	1,200/pk
RNBW-2100	Rainbow*	1.50" x 0.75" / 38mm x 19mm	5 Across - 12 Down	60	General Purpose	1,200/pk
4. LCRY-1100-x	Specify	1.69" x 0.75" / 43mm x 19mm	4 Across - 13 Down	52	CryoVials	1,040/pk
RNBW-2000	Rainbow*	1.69" x 0.75" / 43mm x 19mm	4 Across - 13 Down	52	CryoVials	1,040/pk
5. SIDE-1000-x	Specify	1.50" x 0.25" / 38mm x 6mm	4 Across - 39 Down	156	Microplates	3,120/pk
RNBW-2400	Rainbow*	1.50" x 0.25" / 38mm x 6mm	4 Across - 39 Down	156	Microplates	3,120/pk
6. LCRY-1258-x	Specify	2.625" x 1.00" / 67mm x 25mm	3 Across - 10 Down	30	Racks & Boxes	600/pk
RNBW-2500	Rainbow*	2.625" x 1.00" / 67mm x 25mm	3 Across - 10 Down	30	Racks & Boxes	600/pk
To Specify color, substitute (x) with a letter: B=Blue, G=Green, O=Orange, R=Red, Y=Yellow [Ordering Example: LCRY-1700-R for Red or LCRY-1700 for White]						
CAT. NO.	COLOR	TAG SIZE (INCHES / MILLIMETERS)	SHEET LAYOUT	LABELS/SHT	IDEAL USE	U OF M
7. LCRY-3020	White	3.00" x 2.00" / 76mm x 51mm	3 Across - 4 Down	12	Racks & Boxes	240/pk
8. CMBO-1000	White	1.28" x 0.50" - 3/8" diameter spot	4 Sets Across - 17 Sets Down	68 sets	1.5ml tubes	1,360 sets/pk
9. LCRY-2500	White	2.50" x 0.50" / 64mm x 13mm	3 Across - 20 Down	60	0.5 - 2.0ml tubes	1,200/pk
10. LCRY-1400	White	1.00" x 1.00" / 25mm x 25mm	8 Across - 10 Down	80	Microscope slides	1,600/pk
11. LCRY-1300	White	1.125" x 1.75" / 28mm x 44mm	7 Across - 6 Down	42	Racks & Boxes	840/pk
12. LCRY-1000	White	8.50" x 11.00" / 216mm x 279mm	Blank Sheet	Blank	Cut to size	20/pk

CRYO-BABIES[®] AND CRYOTAGS[®] On A Roll

Labels for Cryogenic Storage

CONVENIENT - Dispensing box assists in labeling individual tubes used in small experiments.

EASY TO WRITE ON - PVC labels accept writing from most lab markers including our Solvent Resistant Pens and Teeny Writers.

Cryo-Babies and Cryo-Tags On a Roll Sizing Guide

1. 0.94" x 0.50" for 0.5ml tubes	3. 1.50" x 0.75" General Purpose
2. 1.28" x 0.50" for 1.5-2.0ml tubes	



CAT. NO.	COLOR	TAG SIZE (INCHES / MILLIMETERS)	IDEAL USE	U OF M
1. CRY-0500	White	0.94" x 0.50" / 24mm x 13mm	0.5ml tubes	1,000/roll
2. CRY-1000	White	1.28" x 0.50" / 33mm x 13mm	1.5ml Tubes	1,000/roll
3. CRY-2000	White	1.50" x 0.75" / 38mm x 19mm	General Purpose	1,000/roll

TOUGH-SPOTS® On A Roll

Pre-cut Peel-off Round Labels for Microcentrifuge Tube Tops



EASY TO WRITE ON - PVC labels accept writing from most lab markers including our Solvent Resistant Pens and Teeny Writers.

CONVENIENT - Dispensing box assists in labeling individual tubes used in small experiments.

OPTIONS - A variety of sizes, colors and formats ensures the right label for the right job.



Tough-Tag Station - Conveniently holds up to 6 rolls of Tough-Tags, Tough-Spots or Cryo-Tags. Utilize the ledge to easily write on labels for sample identification.

*T-SPOTS-100 does not fit the Tough-Tag Station

Tough-Spots on a roll Sizing Guide

- 3/8" diameter**
for 0.5ml tubes
- 1/2" diameter**
for 1.5ml - 2.0ml tubes
- 3/16" diameter**
for 0.2ml tubes
White only
- 7/16" diameter**
for 1.5 - 2.0ml tubes
White only
- 3/4" diameter**
for 15-50ml tubes
White Only
- 1.00" diameter**
for 50ml tubes
White only

CAT. NO.	COLOR	SPOT DIAMETER (INCHES / MM)	IDEAL USE	U OF M
1. T-SPOTS-x	Specify	3/8" / 9.5mm	0.5ml Tubes	1,000/roll
2. T-SPOTS-50-x	Specify	1/2" / 13mm	1.5ml Tubes	1,000/roll
To Specify color, substitute (x) with: B=Blue, C=Coffee, D=Gold, G=Green, L=Lavender, M=Maroon, O=Orange, P=Pink, R=Red, S=Silver, Y=Yellow [Example: T-SPOTS-G for Green / T-SPOTS for White]				
3. TS-TNY	White	3/16" / 4.8mm	0.2ml Tubes	1,500/roll
4. T-SPOTS-44	White	7/16" / 11mm	1.5ml Tubes	1,000/roll
5. T-SPOTS-75	White	3/4" / 19mm	15-50ml Tubes	500/roll
6. T-SPOTS-100*	White	1.00" / 25mm	50ml Tubes	500/roll
7. SPRL-1000	White 5-Across	3/8" / 9.5mm	0.5ml Tubes	5,000/roll
8. SPRL-1100	Assorted 5-Across	3/8" / 9.5mm	0.5ml Tubes	5,000/roll
9. SPRL-2000	White 5-Across	1/2" / 13mm	1.5ml Tubes	5,000/roll
10. SPRL-2100	Assorted 5-Across	1/2" / 13mm	1.5ml Tubes	5,000/roll
CAT. NO.	DESCRIPTION	U OF M		
TTSA-9000	Tough-Tag Station	Each		

LASER TOUGH-SPOTS®

Pre-Cut Peel-Off Labels for Microcentrifuge Tube Tops



TEMPERATURE-RESISTANT - Withstands freezer temperatures down to -196°C (liquid and vapor phase nitrogen), boiling water baths (100°C), autoclaving and moderate oven temperatures (150°C).

TOUGH - Chemically inert labels resist most organic solvents and caustic agents. They adhere to plastics*, glass and metals without cracking, peeling or degrading.

SPECIALLY DESIGNED - Label sheets are specially top-coated to readily accept laser printing. Heat-resistant, stay-flat sheets will not jam laser printers.

INNOVATIVE - Made with a flexible, polyolefin† label material and acrylic adhesive. This unique combination expands and contracts together with temperature fluctuations resulting in a strong adhesive bond. † Patented

*100% Virgin Polypropylene tubes are recommended for optimal performance. Avoid the use of siliconized surfaces.



Laser Tough-Spots - Sizing Guide

- 3/8" diameter**
for 0.5ml tubes
 - 1/2" diameter**
for 1.5ml - 2.0ml tubes
 - 7/16" diameter**
for 1.5ml - 2.0ml tubes
White only
 - 3/4" diam.**
for 15-50ml tubes
White Only
 - 1.00" diameter**
for 50ml tubes
White only
- *Rainbow Packs contain 4 sheets each of Blue, Green, Orange, Red and Yellow

• Have questions on any of these products?

• Need a custom label size? Pre-printed labels?

Contact your sales representative for more information.

Samples are available for most products.

CAT. NO.	COLOR	SPOT DIAMETER	SHEET LAYOUT	LABELS/SHT	U OF M
1. SPOT-1(x)00	Specify	3/8" - 9.5mm	12 Across - 16 Down	192	3,840/pk
RNBW-1000	Rainbow*	3/8" - 9.5mm	12 Across - 16 Down	192	3,840/pk
2. SPOT-2(x)00	Specify	1/2" - 13mm	12 Across - 16 Down	192	3,840/pk
RNBW-1100	Rainbow*	1/2" - 13mm	12 Across - 16 Down	192	3,840/pk
To Specify color, substitute (x) with a number: 0=White, 1=Blue, 2=Green, 3=Orange, 4=Red, 5=Yellow [Ordering Example: SPOT-1400 for Red / SPOT-1000 for White]					
3. SPOT-5000	White	7/16" - 11mm	13 Across - 18 Down	234	4,680/pk
4. SPOT-3000	White	3/4" - 19mm	9 Across - 12 Down	108	2,160/pk
5. SPOT-4000	White	1.00" - 25mm	7 Across - 9 Down	63	1,260/pk

Sealing Films

Pre-Cut-Adhesive Films For Microplate Sealing Needs

STERILE & NON-CYTOTOXIC - Sterilized by gamma irradiation. Films are also free of cytotoxins.

PREVENT CONTAMINATION - Films eliminate well-to-well contamination, microbial and viral contamination, evaporation (excluding breathable membranes) and sample spillage.

IDEALLY SIZED AND DESIGNED - 6" x 3.25" rectangles fit all microplates.

Two scored end-tabs make film positioning and removal hassle-free.

THERMAL STABILITY - Designed to withstand a wide temperature range.

EASY SPECIMEN RETRIEVAL - Pierceable sealing films facilitate easy removal of samples with a pipet tip.



Breathe-Easier membranes permit rapid, consistent gas exchange of Oxygen, CO₂ and Water Vapor for uniform cell growth.

Film Type	Breathe-Easy®	Breathe-Easier™	Titer-Tops®	AluminaSeal™	HotSeal™
Ideal Use	Cell Culture	Cell Culture	Misc Storage	Cold Storage	PCR
Temp. Range	-80°C to 100°C	-20°C to 80°C	-40°C to 100°C	-80°C to 110°C	-40°C to 125°C
Thickness	1 mil (0.001 in.)	5.5 mil (0.0055 in.)	4.4 mil (0.0044 in.)	2.7 mil (0.0027 in.)	2.3 mil (0.0023 in.)
Material	Polyurethane	Non-woven rayon	Polyethylene	Aluminum	Polyester
Gas-Permeable	Yes	Yes	No	No	No
UV Transparent	To 300nm	No	To 250nm	No	No

ORDERING INFORMATION

Cat. No.	BEM-1	BERM-2000	T-TOPS-100	T-TOPS-50	ALUM-1000	HOTS-1000
U of M	100 sheets	100 sheets	100 shts	50 shts	100 sheets	100 sheets

Microplate Brayer



Uniformly seal your films to microplates with this 4" Brayer. It's perfect for all your sealing films.

CAT. NO.	U OF M
BRAY-4000	EACH

Breathable Tube Membranes

Micro-permeable Membranes for Microtubes

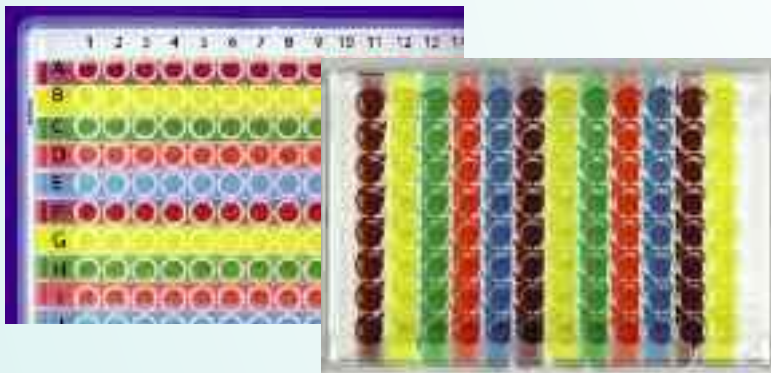
- Ideal for cell growth and freeze drying.
- Permits consistent gas exchange.
- Easy microtube cap closure.
- Will not bind in centrifuge rotors.
- Easy-to-use finger tab for quick liner removal.
- Pre-cut to fit a variety of popular tube sizes.
- Sterile and free of cytotoxins.

CAT. NO.	DESCRIPTION	U OF M
BMTM-1000	Breathe-EASY	100/pack
BMTM-2000	Breathe-EASIER	100/pack



96-well & 384-well COLOR Orienters

- Bright colors make it easy to distinguish between columns and rows
- Fits most standard flat and round bottom 96-well and 384-well plates
- Ideal for use with The Pipetter Guide for efficient and stress-free identification of rows and columns.



CAT. NO.	DESCRIPTION	U OF M
WELL-96V	96-well Vertical Orientation	2/pack
WELL-96H	96-well Horizontal Orientation	2/pack
WELL-384V	384-well Vertical Orientation	2/pack
WELL-384H	384-well Horizontal Orientation	2/pack

Well Orienter Stickers

- Permanently label multiple microplates
- Wells are clearly marked with its corresponding row number and column letter for quick cross-referencing.
- Scored paper backing makes aligning quick and easy!



The markings of each filled well are easily readable.

CAT. NO.	DESCRIPTION	U OF M
WEST-1000	96-well Orienter Sticker	50/pack

Well Orienter, Stand and Pad

For Easy Pipetting and Identification of Samples in Microplates

The Well Orienter

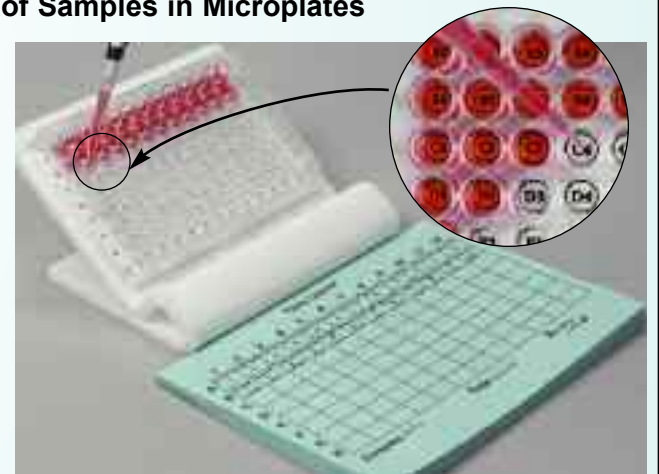
- Convenient visual aid for pipetting and identification of samples in microplates.
- Sharp, alpha-numeric characters compatible with 96-, 48- or 24-well microplates.
- No more cross-referencing headaches!

The Well Plate Stand

- View samples at a comfortable 30° angle and pipette without strain.
- The neoprene pad and rubber feet prevents slippage of the plate and stand.

The Well Pad

- A convenient note pad that corresponds to the layout of a 96-, 48- or 24-well plate.
- Keep accurate records of samples in a microplate.
- Adhere sheets into a notebook to create a quick reference guide.

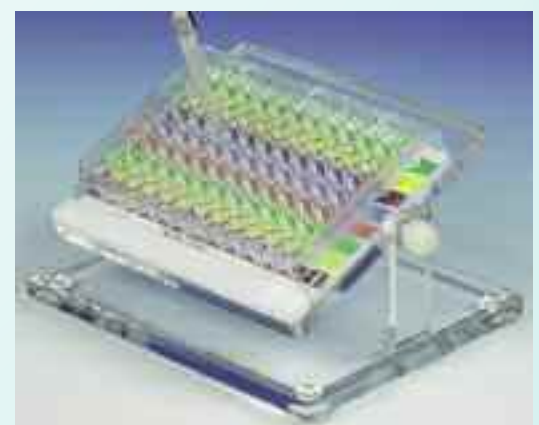


CAT. NO.	DESCRIPTION	U OF M
WELL-1000	96-Well Orienter	4/pack
WELL-2000	48-Well Orienter	4/pack
WELL-3000	24-Well Orienter	4/pack
WPST-1000	Well Plate Stand	Each
WPNP-1000	96-Well Pad (7" x 5")	50/pad
WPNP-2000	48-Well Pad (7" x 5")	50/pad
WPNP-3000	24-Well Pad (7" x 5")	50/pad

Adjustable Well Plate Stand

A Convenient, Adjustable-Angle Stand for Pipetting

- Achieves accurate pipetting by allowing the flexibility to adjust the angle of the microplate.
- Convenient knob easily adjusts the angle (45° max. tilt) required to fully view every well.
- Compact design takes up little bench-top space measuring only 6"L x 4 1/2"W x 2 1/2"H.
- Durable acrylic material will last for years if properly cared for.

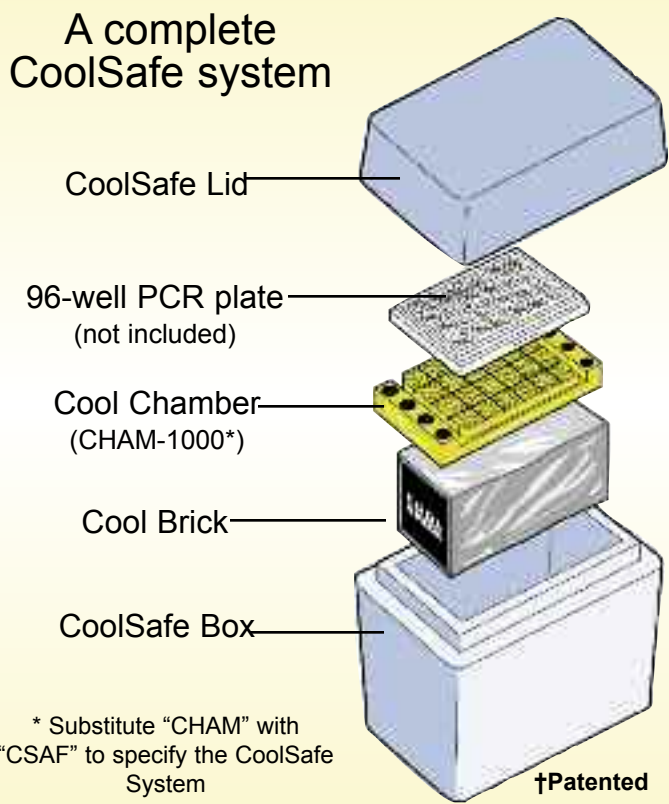


Adjustable Well Plate Stand shown with a 96-well Color Orienter (sold separately).

CAT. NO.	DESCRIPTION
WPAJ-1000	Adjustable Well Plate Stand

THE COOLSAFE™ The World's Most Versatile and Effective Benchtop Cooling and Storage System

A complete CoolSafe system



VERSATILE - Designed for 0.2ml tubes (strips or trays), 96-well and 384-well microplates, 0.5ml, 1.5ml, 5ml tubes

SPECIALY FORMULATED - Cool Bricks maintain a constant temperature (1°C or -10°C) for up to 10 hours

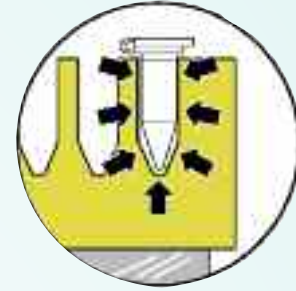
QUALITY ENGINEERING - Each aluminum Cool Chamber surrounds tubes to guarantee sustained cold temperatures

DURABLE - The CoolSafe box is made of triple density expanded polystyrene and molded under extreme pressure creating a durable container that guarantees temperature stability.

EASY TO USE - Easily interchange Cool Chambers and Cool Bricks for different sized tubes.



MESSY ICE BUCKETS ARE NOW A THING OF THE PAST!



"SURROUND-A-TUBE" ENGINEERING

Super temperature-conducting solid metal surrounds the vast majority of the surface area of the microtube, keeping the entire sample or tray of samples cool.

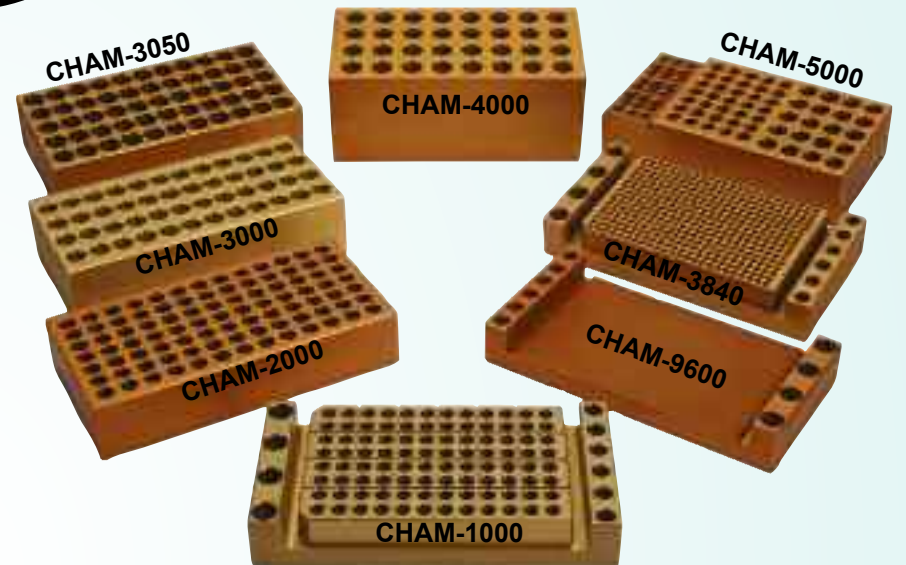
Complete CoolSafe Systems

CATALOG NO.	DESCRIPTION	HOLES	U OF M
CSAF-1000	For 0.2ml PCR plates or tubes	96**	Kit *
CSAF-2000	For 0.5ml tubes	91	Kit *
CSAF-3000	For 1.5ml tubes	48	Kit *
CSAF-3050	For 1.5ml Cryogenic tubes	55	Kit *
CSAF-3840	For 384-well plates	384**	Kit *
CSAF-4000	For 5ml tubes	32	Kit *
CSAF-5000	For 0.2ml, 0.5ml, 1.5ml tubes	79	Kit *
CSAF-9600	For flat-bottom microplates	None**	Kit *

*each Complete CoolSafe System includes:

1 CoolSafe box with lid, 1 Cool Chamber and 2 Cool Bricks (1°C & -10°C)

**These Chambers also include 4 holes for 1.5ml tubes and 6 holes for 0.5ml tubes



Individual CoolSafe Components

Chambers To Keep Samples Cold. Great with Hot Plates

CATALOG NO.	DIMENSIONS	IDEAL USE
CHAM-1000	6 1/8"L x 3 1/8"W x 1"H	0.2ml tubes
CHAM-2000	6 1/8"L x 3 1/8"W x 1 1/4"H	0.5ml tubes
CHAM-3000	6 1/8"L x 3 1/8"W x 1 1/2"H	1.5ml tubes
CHAM-3050	6 1/8"L x 3 1/8"W x 1 1/2"H	1.5ml Cryogenic tubes
CHAM-3840	6 1/8"L x 3 1/8"W x 1"H	384-well plates
CHAM-4000	6 1/8"L x 3 1/8"W x 2 1/2"H	5ml tubes
CHAM-5000	6 1/8"L x 3 1/8"W x 1 1/2"H	0.2ml, 0.5ml, 1.5ml tubes
CHAM-9600	6 1/8"L x 3 1/8"W x 1"H	For flat-bottom microplates

Cool Bricks & Accessories

CATALOG NO.	TEMP.	DESCRIPTION
BRK-1520	- 10°C	For 0.2ml, 0.5ml, 1.5ml & 5ml tubes
BRK-2501	1°C	For 0.2ml, 0.5ml & 1.5ml tubes
BRK-1501	1°C	For 5ml tubes
CSF-BOX		CoolSafe Box
CBAG-1000		CoolBag

THE COOLSAFE™ DELUXE

ADDITIONAL SAMPLE PROTECTION

SMALLER BENCHTOP FOOTPRINT

IMPROVED PORTABILITY

CLEAR LID FOR SAMPLE VISIBILITY



CATALOG NO.	DESCRIPTION	HOLES	U OF M
CSDS-1000	For 0.2ml PCR plates or tubes	96**	Kit *
CSDS-2000	For 0.5ml tubes	91	Kit *
CSDS-3840	For 384-well plates	384**	Kit *
CSDS-9600	For flat-bottom microplates	None**	Kit *
CSDB-1000	CoolSafe Deluxe box		Each

*each complete CoolSafe Deluxe system includes:

1 CoolSafe Deluxe box, 1 Cool Chamber and 2 Cool Bricks (1°C & -10°C)

**These Chambers also include 4 holes for 1.5ml tubes and 6 holes for 0.5ml tubes

Specialty Chambers Ideal for Ice Pans, Ice Buckets, and Cold or Hot Plates

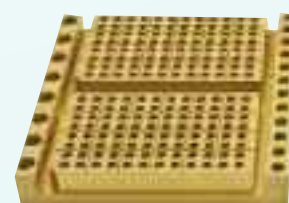
MULTIPLE USES - Ideal for use on hot or cold plates or for temperature sensitive liquid transfers

DURABLE - Anodized aluminum blocks will not rust or corrode

IDEALLY SIZED - A variety of options are available to accommodate PCR tubes and trays, 1.5ml tubes, 15ml and 50ml conical tubes

CATALOG NO.	DIMENSIONS	IDEAL USE	HOLES
CHAM-1020	6 1/8"L x 6 3/4"W x 1"H	0.2ml PCR Plates, tubes	192
CHAM-6000	3 1/2"L x 1 3/4"W x 3 1/2"H	15ml tubes	6
CHAM-6050	3 1/2"L x 3 1/2"W x 3 1/2"H	15ml tubes	12
CHAM-6400*	8 1/4"L x 3"W x 2 1/2"H	1.5ml tubes	64
CHAM-7000	3 1/2"L x 1 3/4"W x 3 1/2"H	50ml tubes	2
CHAM-7050	3 1/2"L x 3 1/2"W x 3 1/2"H	50ml tubes	4
CHAM-8000	8 1/4"L x 2 5/8"W x 1 1/4"H	1.5ml tubes	80

These Chambers do not fit the CoolSafe system; use separately (*CHAM-6400 not pictured)



CHAM-7000



CHAM-6000

A variety of Specialty Chambers are available to keep samples cool and on ice while you work. Freeze these Chambers overnight for added cooling convenience.

Reagent Reservoirs

Disposable and Sterile

UNIQUE - "Trough within a trough" maximizes reagent recovery.

CONVENIENCE - Pour-off spouts on all four corners.

STABLE - A wide base and reinforced sidewalls avoids spills and provides stability.

MEASURABLE - Graduated marks on inside wall.

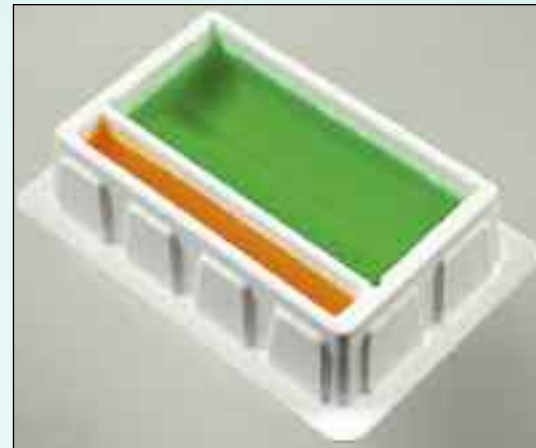
STERILE - Sterilized by gamma irradiation.

COMPATIBLE - *25ml Reservoir with divider* accommodates eight channel pipets on one side and one to four channel pipets on the other. The divider is also convenient for adding controls.

OPTIONS - Offered in bulk cases or individually wrapped (ideal for use in clean rooms).



25ml reservoirs with divider (left) and without (right)



100ml Sidecar Reservoir

SIDECAR RESERVOIR* features:

- "Two-in-One design" for precise reagent adding/mixing.
- Ideal and efficient to use with small volume control and large volume test reagents.
- "Sidecar" holds as little as 10ml of liquid or as much as 20ml * Patented

NON-STERILE CASES OF REAGENT RESERVOIRS

CAT. NO.	DESCRIPTION	U OF M
RESE-1100	100ml Reservoir (NON STERILE)	100/case*
RESE-2100	25ml Reservoir w/ divider (NON STERILE)	100/case*
RESE-3100	25ml Reservoir (NON STERILE)	100/case*
RESE-4100	100ml Sidecar Reservoir (NON STERILE)	100/case*

* Each Case of 100 is packaged as 10 packs of 10 Reservoirs

STERILE CASES OF REAGENT RESERVOIRS

CAT. NO.	DESCRIPTION	U OF M
RESE-1000	100ml Reservoir	100/case (10 pks. of 10)
RESE-2000	25ml Reservoir w/ divider	100/case (10 pks. of 10)
RESE-3000	25ml Reservoir	100/case (10 pks. of 10)
RESE-4000	100ml Sidecar Reservoir	100/case (10 pks. of 10)
RESE-1050	100ml Reservoir	50 individually wrapped
RESE-2050	25ml Reservoir w/ divider	50 individually wrapped
RESE-3050	25ml Reservoir	50 individually wrapped
RESE-4050	100ml Sidecar Reservoir	50 individually wrapped

Reagent Reservoir Cooler

Benchtop Cooling of Reagents

NEW

'KEEP YOUR COOL' -

Reagents are kept at ~5°C for approximately 3 hours

NO MESS - No need for a cumbersome ice bath, the frozen non-toxic gel is contained in a sealed molded cavity.

EXTRA TIME - Extends safe working time for temperature sensitive reagents

FITTED - Each 100ml* Reservoir fits perfectly and snugly onto the Cooler ensuring uniform cooling.



Extend benchtop working time and keep reagents cool up to 3 hours.

CAT. NO.	DESCRIPTION	U OF M
RESE-C100	100ml Reservoir Cooler	EACH

* Compatible with RESE-1000, -1050 and -1100 only



Labels for Moist, Frosty or Frozen Tubes

• "GRIPS" TO WET, FROST-COVERED AND FROZEN SURFACES

• TEMPERATURE RESISTANT TO -40°C

• COMPATIBLE WITH CENTRIFUGE ROTORS

• RESISTANT TO CHEMICALS AND SOLVENTS

• ADHERES TO PLASTICS, GLASS, METALS AND EVEN PAPERBOARD BOXES

• AVAILABLE ON SHEETS FOR PRINTING WITH A LASER PRINTER OR ON ROLLS FOR PRINTING WITH A DIRECT THERMAL PRINTER



Apply me when its frozen or frosty!



Apply me in wet conditions



Dymo LabelWriters (pictured left) are compatible with direct thermal Wet Grip labels. The Dymo has a small bench-top footprint, is easy to setup, and is very affordable. Ready-made templates will enable you to print in seconds. Barcoding is also possible. **Ask for samples!**

DIRECT THERMAL (TEMP. RANGE: -40°C TO 70°C)

CAT. NO.	LABEL SIZE (INCHES/MILLIMETERS)	IDEAL USE
GRDT-1000	1.05" x 0.50" / 27mm x 13mm	0.5ml tubes
GRDT-2000	1.50" x 0.50" / 38mm x 13mm	1.5ml tubes
GRDT-3000	1.50" x 0.75" / 38mm x 19mm	2.0ml tubes
GRDT-4000	3/8" diameter / 9.5mm diameter	0.5ml tubes
GRDT-5000	2.00" x 0.25" / 51mm x 6mm	Microplates
GRDT-6000	1.50" x 0.50" - 3/8" diameter spot	1.5ml tubes

DIRECT THERMAL LABELS ARE CLEAR AND ON 1" I.D. CORES WITH 1,000 LABELS/ROLL

CATALOG NO.	DESCRIPTION	U OF M
DYMO-0400	Dymo® LabelWriter® 400	Each

Dymo and LabelWriter are registered trademarks of the Dymo Corp., an Esselte Office Products Co

LASER SHEETS (TEMP. RANGE: -40°C TO 100°C)

CAT. NO.	TAG SIZE (INCHES / MILLIMETERS)	IDEAL USE	U OF M
GRLA-2016	1.28" x 0.50" / 33mm x 13mm	1.5ml tubes	1,700/pk
GRLA-2380	0.94" x 0.50" / 24mm x 13mm	0.5ml tubes	2,380/pk
GRLA-1050	1.50" x 0.75" / 38mm x 19mm	1.5ml - 2.0ml tubes	1,500/pk
GRLA-1000	0.875" x 0.875" / 22mm x 22mm	Microscope Slides	2,400/pk

LASER LABELS ARE WHITE AND INCLUDE 20 SHEETS PER PACK



"Working for you"

Zans African Medical
142 Beval Street Constantia Park
0181 Pretoria South Africa