

Product Specification Sheet

# LASER TOUGH-SPOTS®

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

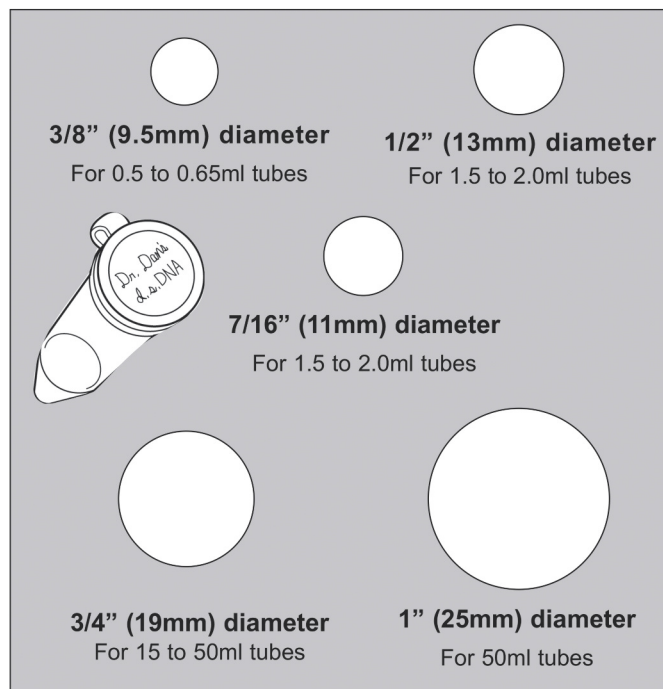
**TOUGH** - Chemically inert, polyolefin labels resist most organic solvents and caustic agents. They adhere to most plastics†, glass, and metals without cracking, peeling, or degrading.

**TEMPERATURE-RESISTANT** - From -196°C to 100°C, Tough-Spots withstand boiling water baths, moderate oven temperatures (150°C), autoclaving and extreme freezer temperatures (liquid and vapor phase nitrogen).

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

**IDEALLY SIZED** - Fits a variety of microcentrifuge tube tops, cryovial caps and lids, as well as many other laboratory container caps, lids and covers.

**COLOR CODING** - 3/8" and 1/2" diameter Laser Tough-Spots are available in White, Blue, Green, Orange, Red and Yellow.



RPI NO.	FISHER NO.	COLOR	SPOT DIAMETER	SPOTS
247131	50212520	White	3/8" - 9.5 mm	192/sheet; 3,840/pk
247131B	50212838	Blue	3/8" - 9.5 mm	192/sheet; 3,840/pk
247131G	50212839	Green	3/8" - 9.5 mm	192/sheet; 3,840/pk
247131O	50212840	Orange	3/8" - 9.5 mm	192/sheet; 3,840/pk
247131R	50212841	Red	3/8" - 9.5 mm	192/sheet; 3,840/pk
247131Y	50212843	Yellow	3/8" - 9.5 mm	192/sheet; 3,840/pk
247139	50212524	White	1/2" - 13 mm	192/sheet; 3,840/pk
247139B	50212844	Blue	1/2" - 13 mm	192/sheet; 3,840/pk
247139G	50212845	Green	1/2" - 13 mm	192/sheet; 3,840/pk
247139O	50212846	Orange	1/2" - 13 mm	192/sheet; 3,840/pk
247139R	50212847	Red	1/2" - 13 mm	192/sheet; 3,840/pk
247139Y	50212849	Yellow	1/2" - 13 mm	192/sheet; 3,840/pk
247145	50998643	White	1.0" - 25 mm	63/sheet; 1,260/pk

Avoid using on siliconized surfaces. Apply to clean, dry tubes at room temperature. Tubes made of 100% virgin polypropylene are recommended.  
\* Rainbow Packs include 4 sheets of each color (Blue, Green, Orange, Red and Yellow)



## Instruction Sheet for Laser Tough-Spots® in Microsoft Word®

1. Open Word
  2. For Word 2007 Users: Click on Mailings > Labels  
 For Word 2003 Users: Click on Tools > Envelopes & Labels  
 For Word 2000 Users: Click on Tools > Letters & Mailings > Envelopes & Labels
  3. Click on Labels tab
  4. Click on Options
  5. Under Printer Information select the Laser option
  6. Under Tray, select Manual Feed
  7. Click on New Label to customize your label
  8. Type in a name for the label (e.g. Catalog Number)
  9. Insert the Label Details **[shown at bottom of page]** and click OK
  10. Select the label you made in the Label Options window and click OK
  11. In the Envelopes & Labels window, type your information in the area provided and click on New Document
  12. When the cells appear on the screen, select the entire document
  13. When the whole document is highlighted, choose an appropriate font and font size\* and center the type horizontally using the Center command located in the toolbar
- If the text in either the rows or columns do not align, continue with Steps 14 -15 otherwise skip to Step 16.**
14. After centering the text horizontally, highlight the entire sheet and align the text vertically by right clicking and selecting Cell Alignment
  15. Click the Align Top Center, Left or Right icon (depending on where the text needs to be aligned)
  16. To determine if your text will fall within the boundaries of the label, have the Gridlines showing
  17. Before printing a sheet of labels, print a test page on blank paper and line it up with a sheet of labels to ensure the text lines up correctly

**Notes:**

- Pass the laser sheet through the printer only once
  - Manually feed the laser sheets one at a time
  - Print your labels on a blank sheet of paper and check the positioning on a blank sheet of labels
  - Minor adjustments may be required depending on your printer and/or software you are using
- \* Suggested Font Sizes: 8 pt. for smaller labels or 10-12 pt. for larger labels

Cat. No.	<b>247131</b>	<b>247139</b>		<b>247145</b>	
Label Diameter	3/8" - 9.5mm	1/2" - 13mm		1.00" - 25mm	
Top Margin	0.62"	0.52"		0.50"	
Side Margin	0.69"	0.52"		0.35"	
Vert. Pitch	0.63"	0.63"		1.13"	
Horiz. Pitch	0.63"	0.63"		1.13"	
Label Height	0.38"	0.50"		1.00"	
Label Width	0.38"	0.50"		1.00"	
No. Across	12	12		7	
No. Down	16	16		9	
Page Size (letter)	8.5" x 11"	8.5" x 11"		8.5" x 11"	

**Fisher No.**                      **50212520**                      **50212524**                      **50998643**