

Label material guide

Label materials	Descriptions	Common applications					Common environments					
		Microbiology	Histology	Cryogenic	Sample collection	General lab ID	Liquid nitrogen (196° C)	Autoclave (121° C)	Hot water bath (100° C)	Freezer (-80° C)	Ambient temp only	Dissolves in water
B-351 vinyl	Tamper-resistant vinyl designed to fracture easily to prevent one-piece removal. Use caution when removing from the liner.				●						✓	
B-403 paper	Paper material completely dissolves in warm water within 30 seconds, leaving no adhesive residue behind.					●		✓				✓
B-424 paper	Economical paper material with good contrast and smear resistance.					●					✓	
B-427 vinyl	Durable vinyl with clear overlaminate is good for wrapping and conformability. Must be wrapped upon itself when used in liquid nitrogen.				●			✓		✓	✓	
B-430 polyester	Clear high-performance polyester material.	●			●	●	✓	✓	✓	✓		
B-432 polyester	Clear polyester withstands exposure to numerous solvents and exhibits good adhesion to metals and a variety of other surfaces.	●			●	●						
B-449 polypropylene	Removeable polypropylene for temporary labeling applications requiring clean removability. Also has write-on capabilities.				●			✓		✓		
B-461 polyester	Ultra-thin polyester with a clear overlaminate tail that protects the print and allows liquid levels to be visible. Also available in flat-white format without the clear overlaminate.				●		✓	✓	✓	✓		
B-481 polyester	StainerBondz™ polyester with extreme chemical resistance that withstands the rigors of typical deparaffinization, including ethanol, xylene and H&E staining process.	●	●					✓		✓		
B-488 polyester	Polyester with moderate chemical resistance and short-term exposure to xylene, DMSO and ethanol.	●	●	●	●			✓		✓		
B-490 polyester	FreezerBondz™ polyester ideal for flat, frozen surfaces. Adheres to frozen tubes and vials when wrapped around itself by at least 1/8 inch.				●		✓	✓	✓	✓		
B-492 polyester	FreezerBondz™ ultra-thin polyester for labeling frosted, frozen or room-temperature samples. Superior chemical and abrasion resistance.				●		✓			✓		
B-494 color polyester	Color polyester for quick differentiation between samples. Withstands harsh environments, including liquid nitrogen, chemicals and more.	●			●	●	✓		✓	✓		
B-498 vinyl cloth	Repositionable vinyl cloth for re-identification of post-process tissue cassettes or general lab applications. Can be applied directly onto the cassettes or on top of the previous label.		●		●	●				✓		
B-499 nylon cloth	Nylon cloth with permanent adhesive for easy handling and conformability.	●			●	●	✓	✓		✓		
B-533 polyester	Removable polyester for applications requiring clean removal.					●					✓	
B-595 vinyl	Vinyl with aggressive adhesive for drawers, shelves, cabinets and general lab labeling. Available in a variety of colors.					●					✓	
B-813 direct thermal paper	Paper material offering good adhesion to corrugated surfaces, glass and many plastics. For direct thermal printing.					●						
B-7425 polypropylene	Economical polypropylene with moderate chemical resistance, ideal for labeling dry, room-temperature specimen containers. Must be applied to containers prior to being frozen.	●			●	●	✓	✓	✓	✓		
B-7425J polypropylene	Inkjet printable polypropylene ideal for full-color identification and barcodes where resistance to liquid nitrogen, autoclave conditions and harsh chemicals are required. Must be applied to containers prior to being frozen.	●			●	●	✓	✓	✓	✓		
B-7425-AC polypropylene	Steam sterilization indicating polypropylene with a pre-printed header that displays STERILIZED when exposed to autoclave conditions.	●			●	●	✓	✓	✓	✓		

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