



MEDICAL

## Cryogenic Labelstock



### Roll Label

PSA-coated papers and films in roll-to-roll form. Extensive product options, available customization, varying roll lengths and widths, and customer friendly services, like our Mactac Precise<sup>SM</sup> Program, which offers next-day shipping on a precise amount of material needed for small runs and limited applications.

[www.mactac.com/rolllabel](http://www.mactac.com/rolllabel)

*Designed for temperatures as low as -320°F, cryogenic labelstocks are intended for harsh environment applications where labels must withstand exposure to liquid nitrogen or ultra-low temperature freezers, thaw cycles, chemicals, and solvents, while providing superior adhesion and reliable identification.*

*Intended for use in medical research, clinical laboratories, pharmaceuticals, fertility clinics, and biobanks, the cryogenic labelstocks are used for labeling laboratory identification substrates, such as test tubes, ampules, vaccines, vials, slides, and more.*

*Cryogenic labelstocks are offered in white and clear films printable via thermal transfer, direct thermal and laser.*

# MEDICAL

## Cryogenic Labelstock

### Potential Applications

- Laboratory identification labels for blood, tissue, DNA and stem cells
- Pharmaceutical labeling for vaccines and injectables

### Liquid Nitrogen Immersion Test

- Materials show resistance to edge lift when repeatedly subjected to changes between low and room temperatures.

No. of Cycles	Conventional high-adhesion product	Product Number		
		LTC01454	LTC01469	LTC01483
1 Time	X	✓	✓	✓
3 Times	X	✓	✓	✓

\* Evaluation (visual confirmation): ✓ No lifting or peeling; X Lifting and/or peeling present

\* In a room-temperature environment (73°F/ 23°C 50% RH), the label was applied to an 18 mm diameter glass ampule.

After the test cycles were performed, the condition was visually evaluated at the time of removal from immersion

\* Test cycle: Liquid nitrogen immersion for 20 min., followed by 73°F/ 23°C 50% RH for 40 min.

\* The above are actual measured results and are not guarantees of product performance or quality. It is the user's responsibility to determine end-use suitability

Conventional high-adhesion product



LTC01469



Part Number	Facestock	Adhesive	Release Liner	Printing Method
<b>LTC01454</b>	2.0 mil Clear Gloss Polyester	Cryogenic Adhesive	50# White Glassine Paper	Thermal transfer
<b>LTC01469</b>	2.0 mil White Semi-Gloss Polyester	Cryogenic Adhesive	50# White Glassine Paper	Thermal transfer
<b>LTC01475</b>	3.9 mil Direct Thermal Polypropylene	Cryogenic Adhesive	45# Blue Glassine Paper	Direct Thermal
<b>LTC01483</b>	2.2 mil White Matte Laser Polyester	Cryogenic Adhesive	60# Ivory Kraft Paper	Laser
<b>LTC01495</b>	3.1 mil White Matte Destructible	Cryogenic Adhesive	50# White Glassine Paper	Thermal transfer

For more information on Mactac's Cryogenic Labelstock or other high-quality products available from Mactac®, call 800-548-3456, e-mail [Mactac.Americas@mactac.com](mailto:Mactac.Americas@mactac.com) or visit [mactac.com/rolllabel](http://mactac.com/rolllabel).

