

## RBX-105 Heat Sealing Film: PeelASeal DMSO Foil™

### Product Description

A DMSO resistant foil laminate suited for Polypropylene and certain COC plates, with a good liquid barrier and high solvent-resistance (at high temperatures). The seal is peelable and non-pierceable.

### Visual Description

Upper glossy metallic surface. Sealing surface less reflective, more highly burnished, and smoother.

### Plate Types:

Polypropylene (PP), Polyethylene (PE), CycloOlefin Copolymer (COC)

### Recommended Sealing Equipment:

### Physical Properties

Flexible, not easily creased. Temperature Range: -80°C to +80°C.

### Application

Low temperature and ambient temperature storage with DMSO and other solvents.

### Suggested Parameters:

Temperature 175°C Time: 2 seconds.

Manual heat sealers, (hand fed type) & Automated roll-fed heat sealers:  
Wildcat  
Kbiosystems  
Brooks / 4titude  
Agilent

## Test procedures

### Mass Loss

Confirming the materials ability to resist high temperatures

#### Details:

Mass loss of solution evaluated after 30 cycles of 3 step PCR Programme.

#### Equipment:

ABI Thermocycler, Precision Balance.

### Solvent

Evaluating the materials resistance to solvents (DMSO used as an aggressive standard)

#### Details:

Sealed plate is subjected to a high concentration of DMSO for a time period at low temperatures after which seal damage & volume loss are determined.

#### Equipment:

Laboratory Cold storage unit, DMSO solution.

### Peel

Measuring the materials permanence of adhesion & its ability to be removed, via extension measuring equipment

#### Details:

Cohesive Failure, Adhesive Transfer, Material tear & Successful Peel are measured & recorded after a 180° peel test.

#### Equipment:

Instron 3343 Tensiometer.

### Low Temp. Test

Confirming the materials ability to resist low temperatures

#### Details:

Microplates are sealed at specified low temperatures & subjected to a series of tests to substantiate seal integrity.

#### Equipment:

Laboratory Cold storage unit.

### Storage Conditions:

Store in a cool place. Avoid direct exposure to sunlight.  
It is recommended to use the seals within three years from the date of purchase.  
Three years when stored at 21°C (70°F), 50% relative humidity, out of direct sunlight, in original packaging

Ordering:			
Part Number	Format	Presentation	
RBX-1057801	LabRoll™	1 Roll	500M x 78 mm
RBX-1057801S	Sterile LabRoll™	1 Roll	500M x 78 mm
RBX-10511501	Sterile LabRoll™	1 Roll	500M x 115 mm
RBX-10511501S	VII LabRoll™	1 Roll	500M x 115 mm
RBX-1057802	LabSheet™	100 Sheets	125 mm x 78 mm
RBX-1057802S	LabSheet™	100 Sheets	125 mm x 78 mm
RBX-1057801T	Trial LabRoll™	1 Roll	5M x 78 mm
RBX-10511502T	Trial LabRoll™	1 Roll	5M x 115 mm
RBX-1057802T	Trial LabSheet™	5 Sheets	125 mm x 78 mm

