

## RBX-114 Heat Sealing Film PeelASeal SuperFoil™

### Product Description

A "stick to all" peelable, foil laminate heat-seal film which is suited for all plate types -PP, PS and COC. The film has a good liquid barrier and high resistance to solvents (DMSO). It is peelable (from -80oC freezer) and is non pierceable.

### Visual Description

Metallic with upper surface gloss white. Seal surface metallic burnished foil.

### Plate Types:

Polypropylene (PP), Polyethylene (PE), Polystyrene (PS), and some Cyclo Olefin Copolymer (COC)

### Recommended Sealing Equipment:

### Physical Properties

Flexible, not easily creased. Temperature Range: -80°C to +110°C

### Application

PCR, low temperature, short term compound storage, midterm room temperature compound storage.

### 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.

### 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.

### 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.

### 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-1147801	LabRoll™	1 Roll	610M x 78 mm
RBX-1147801S	Sterile LabRoll™	1 Roll	610M x 78 mm
RBX-11411501	Sterile LabRoll™	1 Roll	500M x 115 mm
RBX-11411501S	VII LabRoll™	1 Roll	500M x 115 mm
RBX-1147802	LabSheet™	100 Sheets	125 mm x 78 mm
RBX-1147802S	LabSheet™	100 Sheets	125 mm x 78 mm
RBX-1147801T	Trial LabRoll™	1 Roll	5M x 78 mm
RBX-11411502T	Trial LabRoll™	1 Roll	5M x 115 mm
RBX-1147802T	Trial LabSheet™	5 Sheets	125 mm x 78 mm

