

RBX-103 Heat Sealing Film: ClearASeal Pierce™

Product Description

A clear heat seal film which is ideal for use with ABI 3730 sequencer. The film has good optical clarity and moderate solvent resistance, it is non-peelable and pierceable.

Visual Description

Clear and thick plastic seal. Sealing surface on inside of roll and is less reflective.

Plate Types:

Polypropylene (PP), Polyethylene (PE), Polystyrene (PS), CycloOlefin Copolymer (COC), Polycarbonate (PC)

Recommended Sealing Equipment:

Physical Properties

Flexible plastic, difficult to crease, upper surface feels very smooth, sealing side has a slight rough feel.
Temperature range -80°C to 80°C or 110°C With pressurized PCR heated lids.

Application

Recommended for use with the Abi 3730 Sequencer as the thinner structure pierces more easily.

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.

Optical

Determining the materials optical clarity by measuring the transmission of emissive dye through the material

Details:

Record the light transmission of a sealed microplate using a Flurophore dye stock solution and a microplate reader.

Equipment:

BMG Labtech -FluroStar.

Pierce

Measuring the force required to push a standardised needle through the material via compression measuring equipment

Details:

5 tests run using a standardised needle, ensuring that less than 10N is required to pierce the surface & access the wells.

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-1037801	LabRoll™	1 Roll	610M x 78 mm
RBX-1037801S	Sterile LabRoll™	1 Roll	610M x 78 mm
RBX-10311501	Sterile LabRoll™	1 Roll	500M x 115 mm
RBX-10311501S	VII LabRoll™	1 Roll	500M x 115 mm
RBX-1037802	LabSheet™	100 Sheets	125 mm × 78 mm
RBX-1037802S	LabSheet™	100 Sheets	125 mm × 78 mm
RBX-1037801T	Trial LabRoll™	1 Roll	5M × 78 mm
RBX-10311502T	Trial LabRoll™	1 Roll	5M × 115 mm
RBX-1037802T	Trial LabSheet™	5 Sheets	125 mm × 78 mm

