

QuickSeal Micro™

IST-125 Self Adhesive Sealing Film

Product Description	A transparent adhesive film which is suitable for sample storage. The seal is non-pierceable and peelable with a medium strength.	Physical Properties	Polypropylene –Top Coated, Gloss Clear TC PP Temperature Range: -20°C to +80°C
Visual Description	Opaque, Thin, Plastic material.	Application	Sample storage (aqueous), low cost cover for application like centrifugation

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 Fluorophore dye stock solution and a microplate reader.
Equipment: BMG Labtech -FluroStar.

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 Tensometer.

Low Temp. Seal 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.

Recommended Storage Conditions:	Store in a cool place. Avoid direct exposure to sunlight. It is recommended to use the seals within the expiry date shown on the product. Five years from DOM when stored at 21°C (70°F), 50% relative humidity, out of direct sunlight, in original packaging
--	--

Plate Types:

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

Ordering:			
Part Number	Format	Presentation	
IST-125-080LR	LabRoll™	1 Roll	110M x 80mm
IST-125-080SR	Sterile LabRoll™	1 Roll	110M x 80mm
IST-125-080LS	LabSheet™	100 Sheets	135 mm x 80 mm
IST-125-080SS	Sterile LabSheet™	100 Sheets	135 mm x 80 mm
IST-125-080TS	Trial LabSheet™	5 Sheets	135mm x 80 mm