

## PeelASeal Foil SUPER<sup>™</sup> IST-114 DMSO Resistant, Peelable Foil, Heatseal for All Plate Types

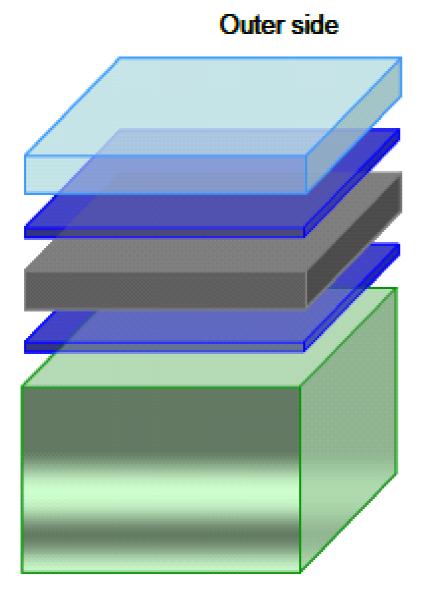
Product Description		Physical Properties			
A "stick to all" peelable, foil laminate heat-seal film which is suited for all plate types - PP, PS and COC. The film has a good liquid barrier and high resistance to solvents (DMSO). It is peelable (from -80oC freezer) and is non-pierceable.		Flexible, not easily creased. Thicker than IST-104. Temperature Range: -80°C to +110°C			
Visual Description		Application			
Metallic with upper surface gloss white. Seal surface metallic be	PCR, low temperature, short term compound storage, short term room temperature compound storage.				
Test Procedures:					
Mass Loss Confirming the materials ability to resist high temperatures				<b>Results</b> :	PASS
Details: Mass loss of solution evaluated after 30 cycles of 3 step	PCR Programme. Equipment: ABI Thermocycler, Precisi	on Balance.			
Pierce Measuring the force required to push a standardised needle through the material via compression measuring equipment.				Results:	N/A
<b>Details</b> 5 tests run using a standardised needle, ensuring that less that	an 10N is required to pierce the surface & access the wells. Ec	uipment Instron 3343 Tensometer.			
Optical Determining the materials optical clarity by measuring the transmission of emissive dye through the material				<b>Results:</b>	N/A
<b>Details</b> Record the light transmission of a sealed microplate usin	ng a Flurophore dye stock solution and a microplate read	ler. Equipment BMG Labtech - Flurc	Star.		
Peel Measuring the materials permanence of adhesion & its ability to be removed, via extension measuring equipment.				<b>Results</b> :	PASS
Details Cohesive Failure, Adhesive Transfer, Material tear & Suc	ccessful Peel are measured & recorded after a 180° peel	test. Equipment Instron 3343 Tense	ometer.		
Low Temp. Seal Test Confirming the materials ability to resist low temperatures				<b>Results</b> :	PASS
Details: Microplates are sealed at specified low temperatures &	subjected to a series of tests to substantiate seal integr	ity. Equipment: Laboratory Cold sto	rage unit.		
Solvent Evaluating the materials resistance to solvents (DMSO used as an aggressive standard)				<b>Results</b> :	PASS
<b>Details</b> Sealed plate is subjected to a high concentration of DMS	SO for a time period at low temperatures after which sea	I damage & volume loss are determ	ined. Equipment Laboratory Cold	storage unit, DI	VISO solution.
Recommended Storage Conditions:	Sealing Temp + Dwell Times:		Ordering:		
Store in a cool place. Avoid direct exposure to sunlight. It is recommended to use the seals within the expiry date shown on the label. Three years when stored at 21°C (70°F), 50% relative humidity, out of direct sunlight, in original packaging.	Temperature and Dwell Time: 175°C, 2 seconds		Part NumberFormatIST-114-078LR**Std LabRoll™	Presentati	<b>on</b> 610M × 78 mm
	Plate Types:		IST-114-078SR** Sterile LabRoll™	1 Roll	610M × 78 mm
	Polypropylene (PP), Polyethylene (PE), Polystyrene (PS and non-binding coated plates.	, Cyclo Olefin Copolymer (COC)		oll™ 1 Roll	500M × 115 mm 500M × 115 mm .25 mm × 78 mm
	Recommended Sealing Equipment:		IST-114-078SS* Storals LabShee		.25 mm × 78 mm
	<ul> <li>* Efly, Kseal, 4s2</li> <li>** Wasp, Thermo ALPS300/3000, Kube, Flexiseal, Cl</li> <li>*** Agilent VII Plateloc, REMP (LHS/SHS)</li> </ul>	nameleon, REMP (PHS)	IST-114-078TR Trial LabRoll™ IST-114-115TR Trial LabRoll™ IST-114-078TS Trial LabSheet™	1 Roll 1 Roll 5 Sheets 1	5 M × 78 mm 5 M × 115 mm .25 mm × 78 mm

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## Composition: PET 10µm / Print/ ADH / Aluminium 12µm / ADH / Rayopeel® Super NG 40µm



Polyester 10µm Print Adhesive +/-3µm Aluminium foil 12µm Adhesive +/-3µm

Rayopeel® Super NG 40µm

Inner side

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