



Clear Seal 3730 Heat Sealing Film

Description:	A clear polyester material with a hot melt lacquer seal layer. Seal can easily be pierced and is peelable by hand from 96-well plates.		
Ordering Information:	AB-1797	Clear Seal 3730 for Thermo-Sealer	1,000 sheets
	AB-1797/s	Clear Seal 3730 for Thermo-Sealer	3 sheets
	AB-3797	Clear Seal 3730 for ALPS 300™	610m roll
	AB-3797/s	Clear Seal 3730 for ALPS 300™	25m roll
	AB-0797	Clear Seal 3730 for ALPS 100	500m roll
	AB-0797/s	Clear Seal 3730 for ALPS 100	100m roll
Compatible Plates:	Seals polypropylene, polystyrene, polyethylene and Diamond plates.		
Storage:	Store in a cool, dry place. Avoid direct exposure to sunlight.		
Sealing Conditions:	Seal with shiny side uppermost		
	1–3 seconds (Thermo-Sealer)		
	0.5–1.5 seconds at 165–175°C (ALPS 300™)		
	3.0–3.5 seconds at 150°C–155°C (ALPS 100)		
	(Use settings in the lower end of the range for 384-well plates)		
Physical Properties:	Seal thickness:	75µm	
	Temperature range:	-80°C to 80°C*	
	Pierce force:	~6.0N (ASTM D1000)	
	*During PCR, these seals can withstand higher temperatures (+120°C) provided that adequate support/pressure is applied by the thermal cycler lid.		
Application:	Ideal for applications that require a pierceable non-conductive seal material (e.g. ABI 3730 Sequencer with liquid sensing specifications). Suitable for PCR applications with screw or clip down heated lid thermal cyclers only.		
Peeling from 384-well plates:	To facilitate removal of the material from 384-well plates, a second seal can be applied prior to peeling. Alternatively, removal can be aided by heating the seal for several seconds with the heat sealing instrument immediately before peeling.		

For research purposes only



**Clear Seal
3730 and
DMSO:**

The solvent dimethyl sulphoxide (DMSO) is highly invasive and its containment and storage is a serious issue. In our experience, Clear Seal 3730 provides adequate short-term resistance to 100% DMSO when stored at 4°C and below. The seal integrity will however be dependent on the seal quality, and care must be taken not to over-seal as this may result in corruption of the sealing material.

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