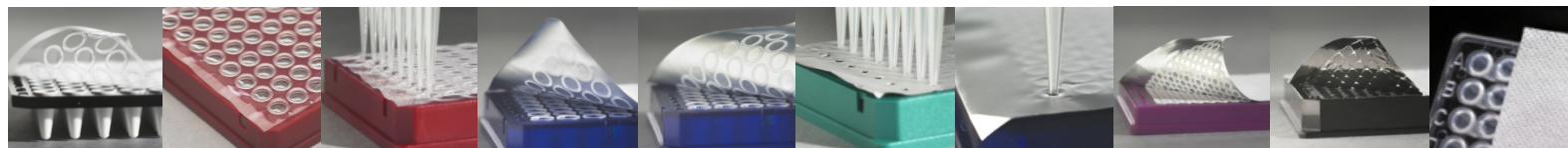


# Heat Sealing Films & Foils from 4titude<sup>®</sup>

INNOVATIONS FOR LIFE SCIENCES



Product Type	Clear Seal	Clear Weld Seal Mark II	Clear Seal 3730	Peel Seal	DMSO Resistant Peel Seal	Pierce Seal	Foil Seal	Thermal Bond	Black Seal	Gas Permeable Heat Seal
Application	qPCR, short term compound storage.	PCR (esp. water bath), qPCR. Storage & disposal of hazardous materials.	For use with ABI 3730 Sequencer.	Low temperature, compound storage, short term room temperature compound storage (<5 days), PCR.	Low temperature / room temperature compound storage with DMSO <sup>^</sup> & other organic solvents.	PCR, compound storage, sample shipping	Low temperature compound storage, short-term room temperature compound storage, PCR.	Low temperature transportation & storage. PCR, esp. water bath cyclers. Storage of organic solvents, acids & alkalines.	Fluorescent & other light sensitive assays	Cell culture, over night incubation, seed & insect storage.
Special Properties	Good optical clarity. Moderate solvent resistance.	Good optical clarity & resistant to DMSO.	Good optical clarity, some solvent resistance.	Can be peeled directly from -80°C freezer. Moderate resistance to solvents at room temperature.	Can be peeled directly from -80°C freezer. High resistance to solvents even at elevated temperatures.	Easily pierceable. Resistant to DMSO. Re-sealable with another Pierce Seal. Colour print identifies non-sealing surface.	Re-sealable with another Foil Seal. Colour print identifies non-sealing surface.	Very strong seal with PP. Resistant to DMSO and other solvents	Coated on sealing surface with low fluorescence black pigment.	Permeable to gasses. Permeability rate >4000g/sqm/24h. 35µm pore size.
Min Temp	-80°C	-80°C	-80°C	-80°C	-80°C	-20°C	-20°C	-80°C	-20°C	-20°C
Max Temp	80°C (or 110°C with pressurised PCR heated lid)	110°C	80°C (or 110°C with pressurised PCR heated lid)	110°C	80°C	120°C	110°C	110°C	80°C	80°C
Sterile?	No	No	No	No	No	No*	No*	No	No*	No*
Pierceable	No	No	Yes	No	No	Yes	Yes	No	No	Yes
Peelable	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes
RNase/DNase free	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No
Material	Laminate	Laminate	Polymer	Laminate	Laminate	Foil	Foil	Laminate	Foil	Woven material
Seals to	PP, PE, PS, COC	PP	PP, PE, PS, COC	PP	PP	PP, PS	PP, PS	PP	PS	PP, PS, COC
Roll length mm (78mm width)	500	610	610	600	500	610	610	500	610	200
Roll length mm (115mm width)	350	500	500	500	500	500	500	300	500	-
<b>Product Codes</b>										
Roll 78mm <sup>1</sup>	4ti-0540	4ti-0573	4ti-0580	4ti-0520	4ti-0585	4ti-0530	4ti-0535	4ti-0590	4ti-0525	4ti-0596
Trial roll (78mm width <sup>1</sup> )	4ti-0540S	4ti-0573S	4ti-0580S	4ti-0520S	4ti-0585S	4ti-0530S	4ti-0535S	4ti-0590S	4ti-0525S	4ti-0596S
Roll 115mm <sup>2</sup>	4ti-0542	4ti-0574	4ti-0582	4ti-0522	4ti-0586	4ti-0532	4ti-0537	4ti-0592	4ti-0526	-
Trial roll (115mm width <sup>2</sup> )	4ti-0542S	4ti-0574S	4ti-0582S	4ti-0522S	4ti-0586S	4ti-0532S	4ti-0537S	4ti-0592S	4ti-0526S	-
Pack of 100 sheets (125mm x 78mm)	4ti-0541	4ti-0545	4ti-0581*	4ti-0521	4ti-0587 <sup>#</sup>	4ti-0531	4ti-0536	4ti-0591	4ti-0527	4ti-0595

<sup>^</sup> 100% DMSO can be stored at room temperature for 12 months with no deterioration of the seal quality  
<sup>\*</sup> Available as sterile on request  
<sup>+</sup> Roll of 1000 Perforated Sheets  
<sup>#</sup> Supplied on a perforated roll  
<sup>1</sup> Compatible with Thermo Fisher ALPSs 300™ / ALPS3000™ / KBiosystems Chameleon™ / KBioscience FexiSeal & Remp/Tecan Plate Sealer  
<sup>2</sup> Compatible with Agilent (Velocity 11 )PlateLoc®  
 PP Polypropylene  
 PS Polystyrene  
 COC Cyclic Olefin Copolymer  
 PE Polythene  
 NB Rolls are also available on 150mm core for Remp/Tecan sealers. Please enquire.

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