

PIERCE SEAL DATA SHEET

SEV-0016 REVISION B 14 SEP 2023

Parameter		Specification				
Description	easily pierced with Seals can be appl access/resealing	A foil-based heat seal that heat seals to PP and PS plates and can be easily pierced with a tip. Very good solvent resistance, including DMSO. Seals can be applied on top of each other allowing multiple access/resealing of samples. Not recommended for peeling. A colour print identifies the non-sealing surface.				
Seal Type	Heat.	Heat.				
Ordering Information	4ti-0530	610 m x 78 mm roll Compatible with Automated Roll Heat Sealer / Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube				
	4ti-0530/122	122 m x 78 mm roll Compatible with Automated Roll Heat Sealer / Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube				
	4ti-0530/REMP	610 m x 78 mm roll Compatible with REMP Portrait Heat Sealer (PHS)				
	4ti-0532	500 m x 115 mm roll Compatible with Agilent (Velocity 11) PlateLoc®				
	4ti-0532/REMP	500 m x 115 mm roll Compatible with REMP Landscape/Stacking Heat Sealers (LHS/SHS)				
	4ti-0531	100 sheets (125 mm x 78 mm)				
	4ti-0531/RA	100 sheets with 96 individual foil discs (127 mm x 100 mm)				
	4ti-0531/GR	100 sheets (125 mm x 78 mm), with printed grid reference				
Application	PCR, compound s	PCR, compound storage, sample shipping.				
Certification	Free from human	Free from human genomic DNA, RNA, nucleases and pyrogens.				
Storage Conditions	Room temperature (10-27 °C). Avoid direct exposure to light and high humidity.					
Material Safety Data	Non-hazardous.					

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Schematic Overview	Outer Surface Laquer Aluminium 20 µm Heat Seal laquer Sealing Surface					
Seal Integrity Range	-20°C to 120°C.					
	96-well PCR Plate		160-175°C, 2 seconds			
Sealing Parameters [^]	384-well PCR Plate		160-175°C, 2 seconds			
	Vision Plate™		185-200°C, 3 seconds			
Physical Properties	Thickness	Laquer Aluminium Heat Seal laquer		1.0g/m² (±40%) 20.00 µm (±8%) 3.5g/ m² (±25%) (±10%)		
	Sealing Strength	>5 N/15 mm				

^{*}These are recommended sealing conditions for the 4s3™ heat sealer.