

Tel: +44 (0) 1306 884885 Fax: +44 (0) 1306 884886

Pierce Seal

Description: 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

Ordering Information:

| | |
|---------------|---|
| 4ti-0530 | 610m x 78mm roll Compatible with 4titude a4S Automatic Roll Heat Sealer / Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube |
| 4ti-0530/122 | 122m x 78mm roll Compatible with 4titude a4S Automatic Roll Heat Sealer / Thermo Fisher ALPS 300™ / ALPS 3000™ / KBiosystems Wasp™, KBioscience FlexiSeal and Cube |
| 4ti-0530/REMP | 610m x 78mm roll Compatible with REMP Portrait Heat Sealer (PHS) |
| 4ti-0532 | 500m x 115mm roll Compatible with Agilent (Velocity 11) PlateLoc® |
| 4ti-0532/REMP | 500m x 115mm roll Compatible with REMP Landscape/Stacking Heat Sealers (LHS/SHS) |
| 4ti-0531 | 100 sheets (125mm x 78mm) |
| 4ti-0531/RA | 100 sheets with 96 individual foil discs (127mm x 100 mm) |
| 4ti-0531/GR | 100 sheets (125mm x 78mm), with printed grid reference |

Application: PCR, compound storage, sample shipping

Certification: 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

Schematic Overview:



| | | | | | |
|------------------------------|-----------------|-----------------|------------|-----------------------|-----------------|
| Identification Number | SEV-0016 | Revision | 005 | Effective Date | 19/12/16 |
|------------------------------|-----------------|-----------------|------------|-----------------------|-----------------|

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Seal Integrity Range: -20°C to 120°C

| | | |
|---------------------------------------|--------------------|----------------------|
| Sealing Parameters[^] | 96-well PCR Plate | 160-175°C, 2 seconds |
| | 384-well PCR Plate | 160-175°C, 2 seconds |
| | Vision Plate™ | 185-200°C, 3 seconds |

Physical Properties

| | | |
|--------------------------|-------------------|----------------------------|
| Thickness: | Laquer: | 1.0g/m ² (±40%) |
| | Aluminium: | 20.00µm (±8%) |
| | Heat Seal laquer: | 3.5g/m ² (±25%) |
| Sealing Strength: | >5 N/15mm | |

[^]These are recommended sealing conditions with the 4s3™ heat sealer.