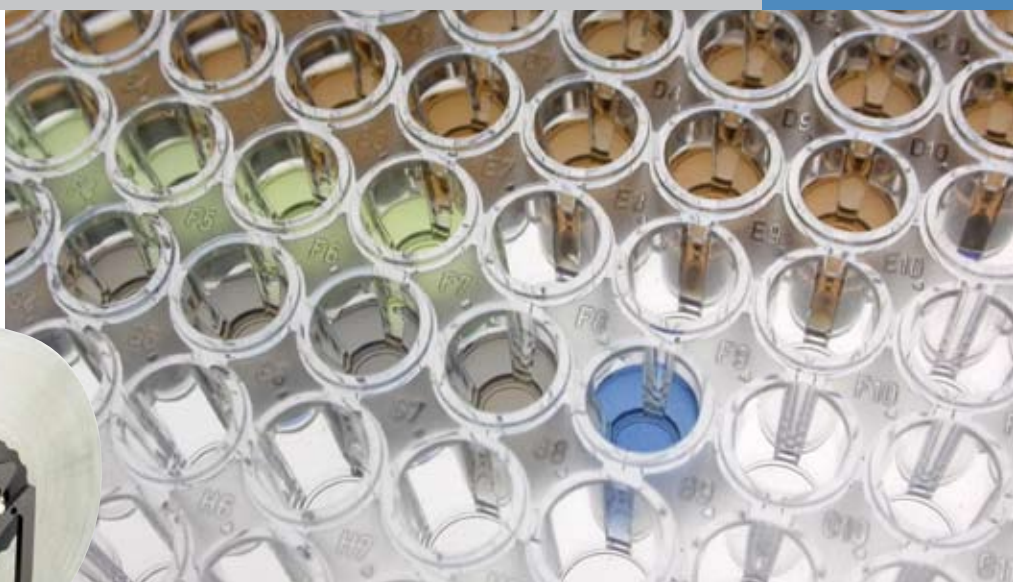


The Thermo Scientific ALPS 3000 microplate heat sealer is a fast, compact heat sealer created for optimal robotic integration in high throughput environments, yet allows manual, benchtop control.

## Thermo Scientific ALPS™ 3000 Microplate Heat Sealer



**Speed and Ease of Use.** The Thermo Scientific ALPS 3000 microplate heat sealer has a compact footprint (165 mm x 405 mm) to conserve precious bench space and top-loaded seals are easily accessible. With rapid plate sealing action and seven available sealing options, seal up to 10 plates per minute in a variety of hand-fed, bench top or high throughput, robotic applications.

**Safety and Security.** Sensors detect the presence of sealing tape, a microplate and air input and can prompt automatic system shutoff to eliminate product waste, system hold-ups and potential injury.

**Operation Options.** The ALPS 3000 sealer is equipped with both on-board touch screen operation for bench top use and an RS232 port and included programming parameters for robotic integration.

**Knowledgeable Support.** Our team has a strong reputation for supporting both equipment and consumables, and can demonstrate the ALPS 3000 sealer in your laboratory, as well as determine which seal is best for your application.

## Thermo Scientific ALPS 3000 Microplate Heat Sealer

Dimensions (W x D x H)	185 mm x 414 mm x 350 mm	Air Input Pressure	5.5 bar (80 PSI) to 5.7 bar (87 PSI)
Weight	12 kg	Sealing Temperature Range	Ambient to 200 °C
Speed	6 to 12 seconds per plate	Operating Temperature Range	15 °C to 40 °C
Power Supply	110-240 V AC, 50-60 Hz	Sealing Plate Height	8 to 46 mm
Air Requirement	50 litres per minute		

### Seals

Item No.	Description	Characteristics	Compatible Plate Material	Sealing Conditions	Seal Integrity Range	Applications
AB-3559	Thermo-Seal	Foil laminate; very strong seal that can only be peeled using the Foil Stripper (see ordering information below); can be pierced with a single pipette tip or Pierce Plate (see ordering information below); good solvent resistance; recommended for use with DMSO	PP	1.5 to 2.5 seconds at 165 °C to 170 °C	-80 °C to 120 °C	Long term storage including storage at low temperatures; transportation and high temperature applications such as PCR, including use in waterbath thermal cyclers
AB-3738	Easy Pierce	Foil material; easily pierced; peelable bond that can be removed by hand; second seal can be applied over existing seal; recommended for use with DMSO	PP, PE	0.5 to 3.0 seconds at 165 °C to 175 °C	-80 °C to 80 °C and up to 120 °C with cyclers lid pressure	Well suited for 384-well formats where piercing is a useful method for sample retrieval; second seal can be applied over existing seal; suitable for PCR with screw-down lid
AB-3720	Easy Pierce 20 µm	Thin foil material; easily pierced; peelable bond that can be removed by hand; good solvent resistance; recommended for use with DMSO	PP, PE	0.5 to 2.0 seconds at 165 °C to 175 °C	-80 °C to 80 °C and up to 120 °C with cyclers lid pressure	Well suited for 384-well formats where piercing is a useful method for sample retrieval; suitable for PCR with screw-down lid
AB-3739	Easy Peel	Foil laminate; difficult to pierce; peelable bond that can be easily removed by hand, but forms weld with PE plates; can be removed and new seal applied several times; some solvent resistance and suitable for DMSO use below 4 °C	PP, PE, COC	1.5 to 2.5 seconds at 165 °C to 170 °C	-200 °C to 90 °C and up to 120 °C with cyclers pressure	Ideal for long term storage at low temperatures; seal can be applied, removed and a new seal applied several times; suitable for PCR with screw-down heated lid thermal cyclers only
AB-3797	Clear Seal	Thin polymer material; able to be pierced; peelable seal when layered; good optical clarity; some solvent resistance	PP, PS, PE	1.5 seconds at 170 °C	-80 °C to 80 °C and up to 120 °C with cyclers pressure	Suitable for fluorescence and colorimetric applications; suitable for PCR applications with screw-down or clip-down heated lid thermal cyclers only
AB-3799	Clear Seal Diamond	Thin polymer material; peelable seal; good optical clarity; some solvent resistance	PP, PS, PE, COC	1.5 to 3.0 seconds at 170 °C	-80 °C to 120 °C	Ideal for fluorescence and colorimetric applications; suitable for PCR applications with screw-down or clip-down heated lid thermal cyclers only
AB-3686	Clear Seal Strong	Clear laminate; weld seal that cannot be peeled or pierced; good optical clarity and solvent resistance; recommended for use with DMSO; clear for sample inspection	PP	1.5 to 2.0 seconds at 170 °C	-80 °C to 120 °C	Clear for sample inspection; due to strong unpeelable seal properties, it is suitable for storage and disposal of hazardous material; also suitable for PCR applications

### Ordering Guide

Item No.	Description	Qty
AB-3000	ALPS 3000 Microplate Heat Sealer	Each
AB-0592	Foil Stripper	Each

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