

Thermo Scientific Abgene 48 and 384 Well Polypropylene Storage Plates and DeepWell Plates

Clean room manufactured to help ensure repeatability and cleanliness right out of the package

Thermo Scientific™ Abgene™ 48 and 384 Well Polypropylene Storage Microplates and DeepWell Plates are ideally suited for intermediate and long term storage of assays and compound libraries. Thermo Scientific Abgene microtiter plates are manufactured to exacting specifications in our Class 100,000 clean room ISO 9001 conditions using high quality medical grade virgin polypropylene resins, which help ensure confidence in the quality and performance of the storage plates. Manufactured to exacting specifications exceeding ANSI standards these 48 and 384 well microplates and deepwell plates are compatible with a variety of automated liquid handling for high throughput workflows. The polypropylene storage plates are offered with V, Pyramidal or Spindle bottom (see Figure 1) for 48 and 384 well plate configurations, along with a wide range of volumes to accommodate most applications.

Abgene 48 and 384 Well Polypropylene Storage Microplates and DeepWell Plates are offered with multiple sealing technologies such as cap mats, adhesive seals and heat seals along with sealing equipment that was purpose built to minimize evaporation and contamination. Abgene 48 and 384 well microplates, deepwell plates, accessories, and equipment have been performance matched for ease-of-use and repeatability for the long term.

Storage Plate Applications

Compound Storage
High Throughput Screening
Genomics
Nucleic Acids
Cell Culture



**Abgene 48 Well
Polypropylene
Storage DeepWell Plates**



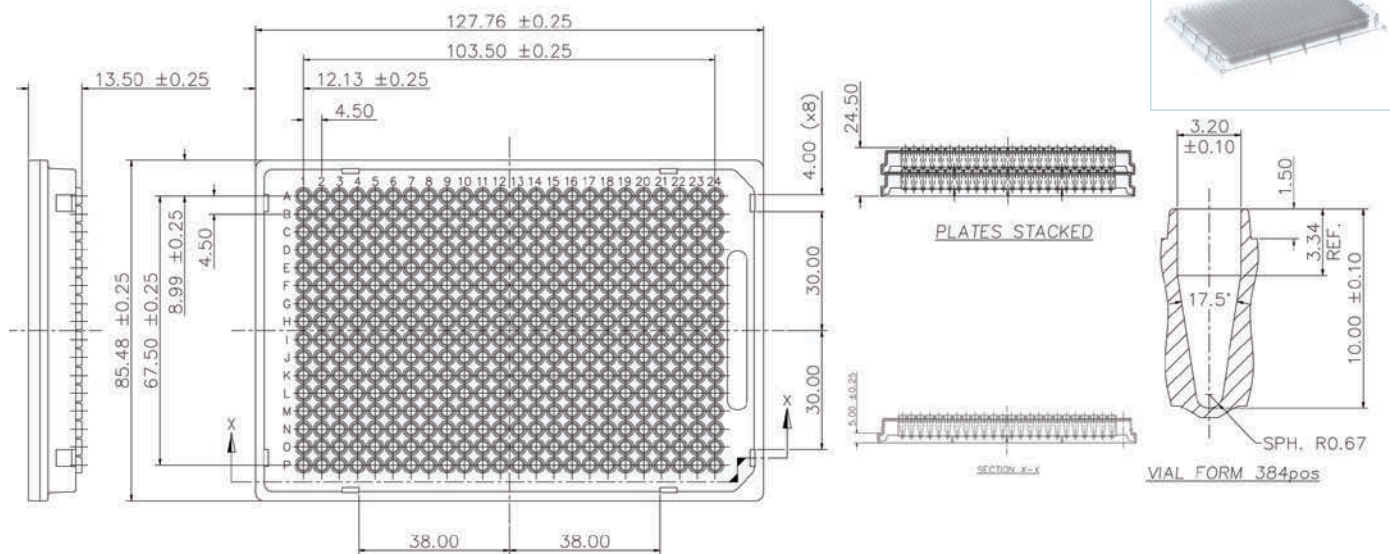
**Abgene 384 Well
Polypropylene
Storage Microplates**



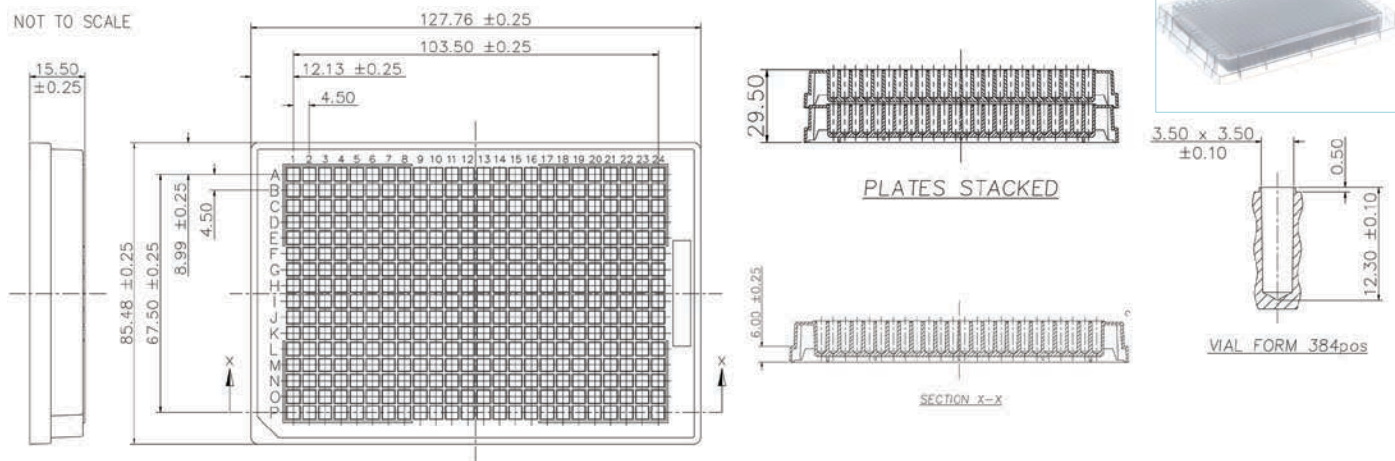
**ALPS 50 V-Manual
Heat Sealer**

Features	Benefits
Class 8 Clean Room Manufactured	<ul style="list-style-type: none"> Abgene polypropylene microplates are certified DNase, RNase and human DNA free for demanding applications like molecular biology or compound storage. Available individually packaged Clean room manufactured from molding to packaging to help ensure repeatability and reduce the risk of contamination
Virgin Polypropylene Resin	<ul style="list-style-type: none"> Excellent chemical resistance to fluids like DMSO, EtOH, IPA Minimize the potential for extractables and leachables Stable at temperatures from -80°C to + 121°C Low binding polypropylene maximizes recovery of valuable samples
Wide breadth of products and configurations	<ul style="list-style-type: none"> One supplier for a wide range of applications Manufactured to tolerances exceeding ANSI standards for critical automated liquid handling applications Multiple well shapes and volumes optimized for sample recovery Increased well volume for maximum sample stored per plate as compared to competitive products

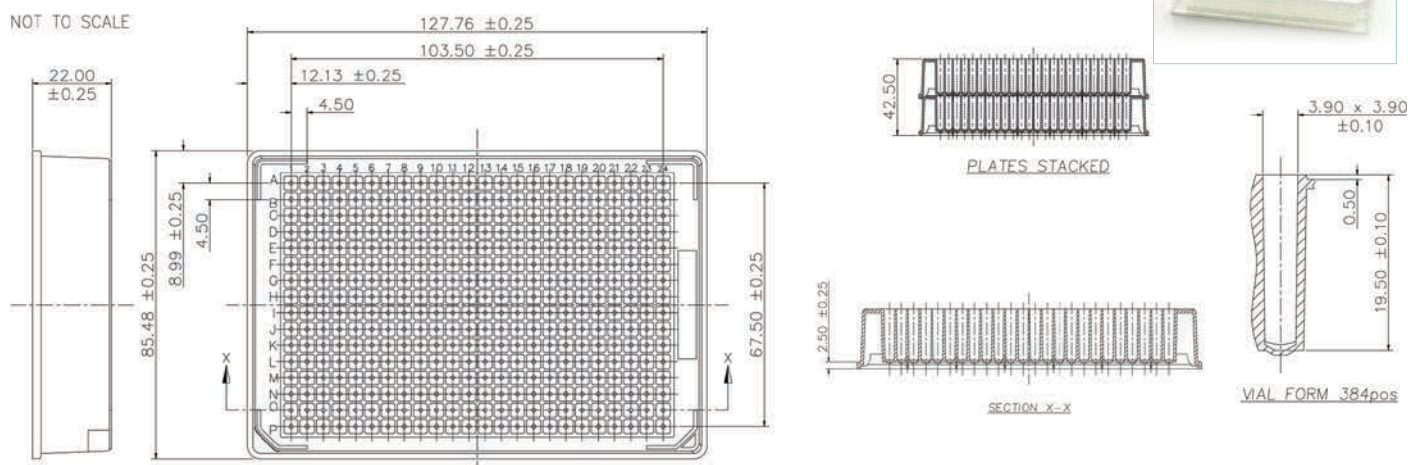
384 Shallow Well Microplate



384 Well Microplate



384 DeepWell Plate



Well Bottom



V-conical, pyramidal bottom

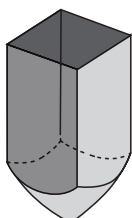
- Improves sample recovery and decreases dead volume



V-spindle

- Virtually eliminates dead volume in tubes during liquid handling

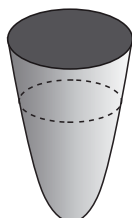
Square Well



V-conical

Fig. 1

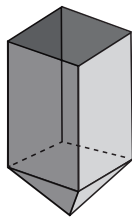
Round Well



V-spindle

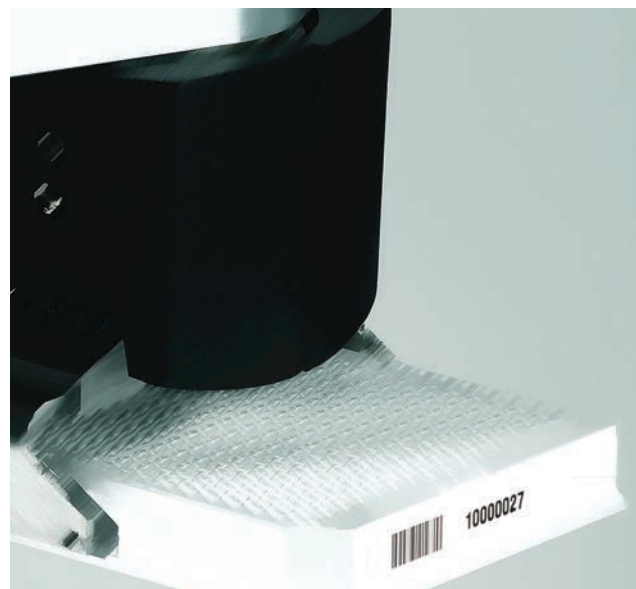
Fig. 2

Square Well



Pyramidal

Fig. 3



Custom Barcoding for Abgene Plates:

- Choose from three codes: Code 128, Code 39, Interleaved 2 of 5, with flexible human-readable code position
- Label sizes customizable according to requirements
- Barcode density range of dimensions available
- Choose either long side or short side for barcode
- 1,000 plate minimum orders (smaller quantities may be possible, but are subject to an order fee)

Please contact your sales rep for details on ordering.

Specifications	
Material	Virgin Grade Polypropylene
Contaminant Free	Abgene plates are supplied free from RNase, DNase, and human DNA
Entire production process	Entire production process from molding to final packaging is carried out in a Class 100,000 clean room under ISO 9001 guidelines
Recommended Temperature Range	-80 °C to +121 °C (autoclavable)
Sealing Options	Adhesive seals Heat seals Storage plate caps and cap strips Storage plate sealing mats
Customized Barcoding Services	Barcode formats: Code 128, Code 39, Interleaved 2 of 5, with flexible human-readable code position

Purchasing Information for Abgene 48 and 384 Well Polypropylene Storage Microplates and DeepWell Plates							
Cat. No.	Color	Well Shape	Bottom	Volume	Max RCF	Case Qty	Packaging
AB-0988*	Natural	Square	Pyramidal	6000µL	N/A	50	Bulk
AB-0781	Natural	Square	Pyramidal	120µL	5000 x g	50	Bulk
AB-1056	Natural	Round	V-Spindle	55µL	5000 x g	50	Bulk
AB-0862	Natural	Square	Pyramidal	300µL	5000 x g	50	Bulk
AB-1178	Natural	Square	V-Conical	250µL	5000 x g	50	Bulk

*Not ANSI compatible due to height. Footprint is compliant.

Associated Sample Storage Workflow Purchasing Information	
Plate Seals	
Cat. No.	Description
AB-0580	Basic plate seal
AB-0718	Gas permeable
AB-1450	Crystallography
Plate Sealers	
AB-0400	ALPS 30 Manual Heat Sealer
AB-1443A	ALPS 50V Microplate Heat Sealer w/carrier
AB-3000	ALPS 3000 Automated Heat Sealer

In the United States:

For customer service, call 1-800-766-7000

To fax an order, use 1-800-926-1166

To order online: thermofisher.com

In Canada:

For customer service, call 1-800-234-7437

To fax an order, use 1-800-463-2996

To order online: thermofisher.ca

Find out more at thermofisher.com/samplestorage

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