Thermo Scientific Abgene 96 Well Microplates and Deepwell Plates

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

Thermo Scientific™ Abgene polypropylene 96 well microplates and deepwell plates offer storage security for assays, compound libraries or storing samples for either intermediate or long term. 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 ensure confidence in the quality and performance of the storage plates. Manufactured to exacting specifications exceeding ANSI standards these 96 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 U and V bottom wells (see Figure 1) for 96 well plate configurations, along with a wide range of volumes to accommodate most applications.

Abgene 96 well polypropylene microplates are offered with multiple sealing technologies from cap mats, adhesive seals, and heat seals along with sealing equipment that was purpose built to minimize evaporation and contamination. Abgene 96 well microplates, deepwell plates, accessories, and equipment provides a purpose built platform that maximizes performance and usability for you to build your sample assay and storage workflow.

Storage Plate Applications
Compound Storage
High Throughput Screening
Genomics
Nucleic Acids
Cell Culture





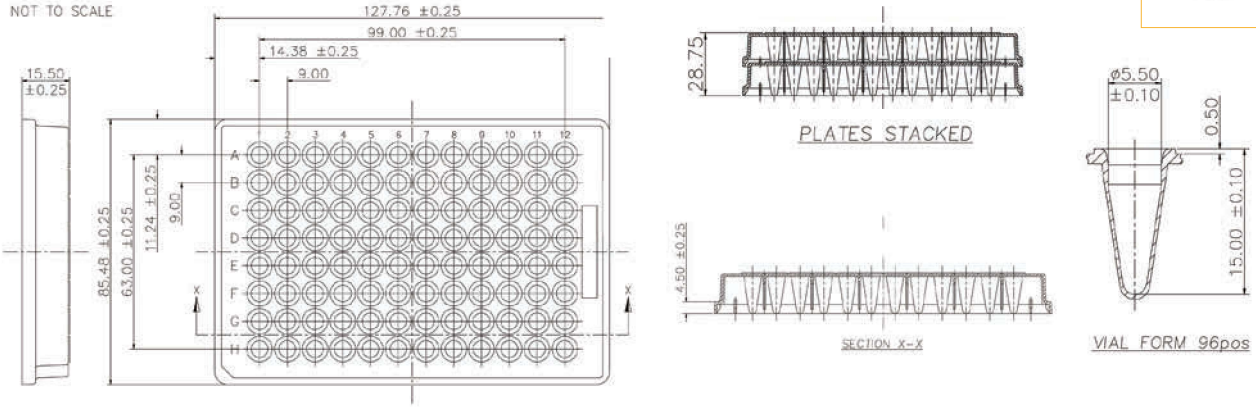
Key Features	Benefits
Class 8 Clean Room 100,000 Manufactured	• Abgene polypropylene microplates are certified DNase, RNase and human DNA free for demanding applications like molecular biology or compound storage. • Available individually packaged • Clean room manufactured from molding to packaging to ensure repeatability and the absence of contamination
Virgin Polypropylene Resin	• Excellent chemical resistance to fluids like DMSO, EtOH, IPA • Minimize the potential for extractables and leachables • Stable at temperatures -80°C to + 121°C • Low binding polypropylene maximizes recovery of valuable samples
Wide breadth of products and configurations	• 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

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96 Well Microplates and Deepwell Plates

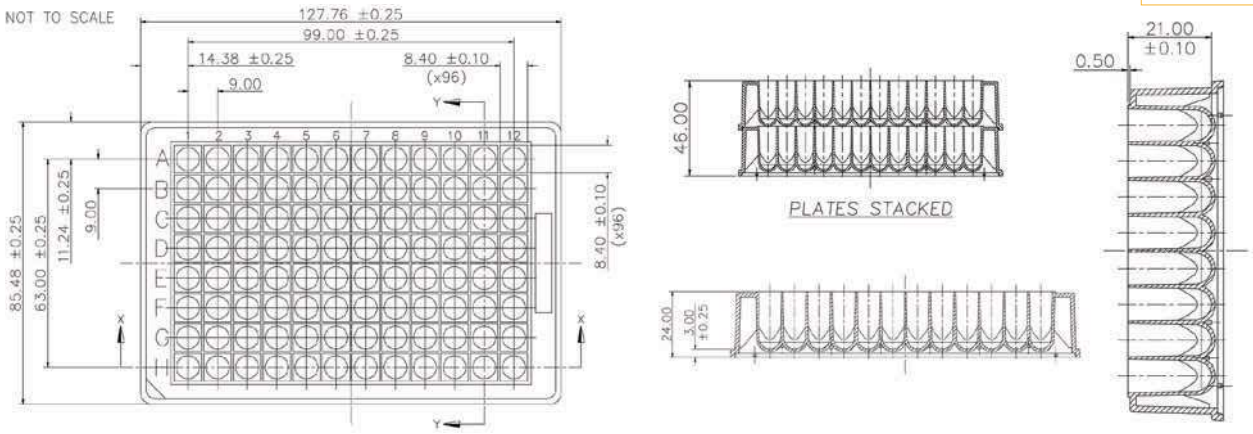
96 Well Microplate





96 Well Deepwell Plate





Technical Specifications

Well Bottom (Figure 1)



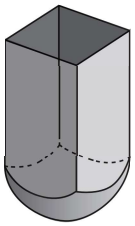
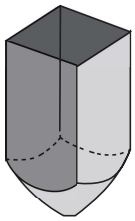
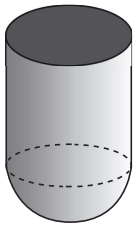
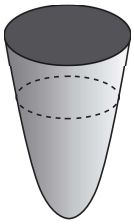
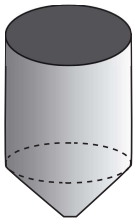
U-bottom
- Ideal for easy mixing



V-conical, pyramidal bottom
- Improves sample recovery and decreases dead volume



V-spindle
- Virtually eliminates dead volume in tubes during liquid handling

Square Well	Square Well	Round Well	Round Well	Round Well
				
U	V-conical	U	V-spindle	V-conical

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	-80C to +121C (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



ALPS30 Manual Heat Sealer

Protect your samples from evaporation and contamination when performing PCR or sample storage with the Thermo Scientific ALPS30 manual heat sealer. Perfect for sealing small numbers of plates in low- to medium-throughput applications, the ALPS30 unit is small enough to keep on the bench and not take up a lot of space. Its simple, ergonomic manual operation provides quick, efficient sealing at your fingertips.

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Purchasing Information for 96 Well Microplates and Deepwell Plates								
Cat. No.	Color	Well Shape	Bottom	Volume	Max RCF	Case Qty	Packaging	Compatible Mat
AB-1058	Natural	Round	V-Spindle	200µL	5000 x g	100	Individual	AB-0566, AB-0566/SP, AB-0674
AB-0796	Natural	Round	U	330µL	5000 x g	100	Individual	AB-0566, AB-0566/SP, AB-0674
AB-0765	Natural	Round	V-Conical	800µL	2000 x g	50	Individual	AB-0566, AB-0566/SP, AB-0674
AB-0859	Natural	Round	V-Conical	800µL	2000 x g	50	Bulk	AB-0566, AB-0566/SP, AB-0674
AB-0564	Natural	Round	U	1200µL	2000 x g	50	Individual	AB-0566, AB-0566/SP, AB-0674
AB-1127	Natural	Square	U	1200µL	2000 x g	50	Individual	AB-0675
AB-0787	Natural	Round	U	1200µL	2000 x g	50	Bulk	AB-0566, AB-0566/SP, AB-0674
AB-0661	Natural	Square	U	2200µL	5000 x g	50	Individual	AB-0675
AB-0788	Natural	Square	U	2200µL	5000 x g	50	Bulk	AB-0675
AB-0932	Natural	Square	V-Conical	2200µL	5000 x g	50	Individual	AB-0675

Associated Sample Storage Workflow Purchasing Information		
Plate Seals		
Cat. No.	Description	
AB-0580	Basic plate seal	
AB-0718	Gas permeable	
AB-1450	Crystallography	
Cap Strips		
AB-1179	Individual	
AB-0981	8-strip	
Mat Caps		Well Shape
AB-0566/SP*	Pierceable	Round
AB-0566	Pierceable	Round
AB-0674	Autoclavable	Round
AB-0675	Autoclavable	Square
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	

*mat is slightly more rigid than AB-0566.



Seal Up to 10 Plates Per Minute with the ALPS 3000

Quickly seal in heat with the Thermo Scientific ALPS 3000 Automated Microplate Heat Sealer. This compact sealer is designed for optimal robotic integration in high throughput labs, yet still allows for manual benchtop control.

- Top-loaded seals are easily accessible
- Seven available sealing options
- Air input allows for automatic system shutoff to eliminate product waste, system hold-ups and potential injury

Find out more at **thermofisher.com/samplestorage**

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