

# DATA SHEET



ISO9001 &amp; ISO13485 &amp; ISO11137

## Deep Well Plate

### • Product Application:

The deep well plates of NEST have a variety of specifications, conforming to the needs of fully automatic work stations and experiments.

**1. Sample storage:** it can replace the conventional 1.5mL centrifuge tube to store samples, and can be arranged tidily to save space, with large storage capacity, and can withstand the -80°C refrigerator condition. Therefore, it's also called storage plate.

**2. Sample processing:** it can be used in combined with multipass pipettes, high-throughput automatic liquid processors and respective softwares to allow the high-throughput operation of biological samples, for example, protein precipitation, liquid extraction, nucleic acid extraction, etc. Greatly improve the efficiency of sample processing. Can withstand high temperature and high pressure sterilization at 121°C.

**3. Sample injection:** suitable for the automatic devices of various companies, it can be directly placed in the sample compartment of the automatic device for injection. Compared to conventional sample injection, it can not only double the sample amount placed in the sample compartment, but also realizes the direct sample injection of samples after processing on the 96-well plate, eliminating the tedious work of pipetting and placing samples back and forth.

**•Product Materials:**

polypropylene (PP).

Meets USP, Class VI standards

**•Product Specifications:**

Temperature range: stored at room temperature

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Shelf life: 3 years after date of production (Sterile Cat.No) (ensure package is in good)

5 years after date of production (Non-sterile Cat.No) (ensure package is in good)

**•Sterilization:**

Yes (Sterile Cat.No).

Sterilized by E-beam, Sterility Assurance Level: SAL=10<sup>-6</sup>. The product has been irradiated and dosimetrically released based on ANSI/AAMI/ISO 11137

**•Pyrogens:** Non-Pyrogenic

**•RNase/DNase:** DNase/RNase free

**•BSE/TSE:** These products are deemed animal free.

**•Performance Testing:**

Each manufacturing lot is sampled and tested in accordance with

Appearance inspection: qualified

Centrifugation test: qualified

Freeze test: qualified

Autoclave test: qualified

Packaging inspection: qualified

**•Features:**

- High quality imported PP material employed for high stability and no chemical reactions with test reagents.
- Compatible with DMSO and inert to water.
- Can be stored under subzero temperature from -40 to -80°C.
- Maximum sustainable centrifuge force 4000g.
- Autoclavable at 20Psi, 121°C for 20 minutes, great heating uniformity.
- Minimum residual liquid, low heavy metal content.
- Certified DNase/RNase and Pyrogen Free.
- Conformed to international SBS Standards.
- Good flat and can be transported for long distance if sealed by heat sealable film.
- Produced and packed in Class 100,000 clean workshop.
- Alphabetical sorting and corner cut marking for convenient tracking of samples.
- Each package has a separate article number/batch number identification, facilitating the quality tracking.

## Product Range

### ● Round Well

Description	Well Shape	Well Bottom Shape	Well volume	Full Well volume	/Pack	/Case	Non-Sterile Cat. No.	Sterile Cat. No.
96-Well Deep Well Plate	Round Well	V-bottom	0.36 mL	0.36 mL	10	50	500101	500161
96-Well Deep Well Plate	Round Well	U-bottom	0.4 mL	0.4 mL	10	50	501102	501162
96-Well Deep Well Plate	Round Well	V-bottom	0.5 mL	0.75 mL	5	50	501101	501601
96-Well Deep Well Plate	Round Well	U-bottom	1.0 mL	1.06 mL	5	50	502102	502162
96-Well Deep Well Plate	Round Well	U-bottom	1.3 mL	1.4 mL	5	50	507001	507101
96-Well Deep Well Plate	Round Well	V-bottom	1.3 mL	1.05 mL	5	50	502101	502601
96-Well Deep Well Plate	Round Well	U-bottom	2.0 mL	1.96 mL	5	50	503102	503162
48-Well Deep Well Plate	Round Well	U-bottom	3.5 mL	3.51 mL	5	50	504102	504162

### ● Square Well

Description	Well Shape	Well Bottom Shape	Well volume	Full Well volume	/Pack	/Case	Non-Sterile Cat. No.	Sterile Cat. No.
96-Well Deep Well Plate	Square Well	V Conical bottom	0.5 mL	0.58 mL	5	50	500021	500621
96-Well Deep Well Plate	Square Well	U-bottom	1.0 mL	1.15 mL	5	50	501002	501062
96-Well Deep Well Plate	Square Well	U-bottom	1.6 mL	1.65 mL	5	50	502002	502062
96-Well Deep Well Plate	Square Well	U-bottom	2.2 mL	2.21 mL	5	50	503002	503062
96-Well Deep Well Plate	Square Well	V-bottom	2.2 mL	2.28 mL	5	50	503001	503501
96-Well Deep Well Plate	Square Well	V Conical bottom	2.2 mL	2.3 mL	5	50	503021	503621
96-Well Deep Well Plate	Square Well	U-bottom	2.2 mL	2.3 mL	5	50	503711	503761
24-Well Deep Well Plate	Square Well	U-bottom	10.4 mL	9.75 mL	5	50	504302	504362
24-Well Deep Well Plate	Square Well	V-bottom	10.4 mL	10.34 mL	5	50	504301	504361
24-Well Deep Well Plate	Square Well	V-bottom	16.0 mL	16 mL	1	25	/	510001
48-Well Deep Well Plate	Square Well	U-bottom	4.6 ml	4.9 ml	5	50	504062	504002
384-Well Deep Well Plate	Square Well	V-bottom	120 uL	137 uL	5	50	504701	504761
384-Well Deep Well Plate	Square Well	V-bottom	240 uL	250 uL	5	50	504703	504763

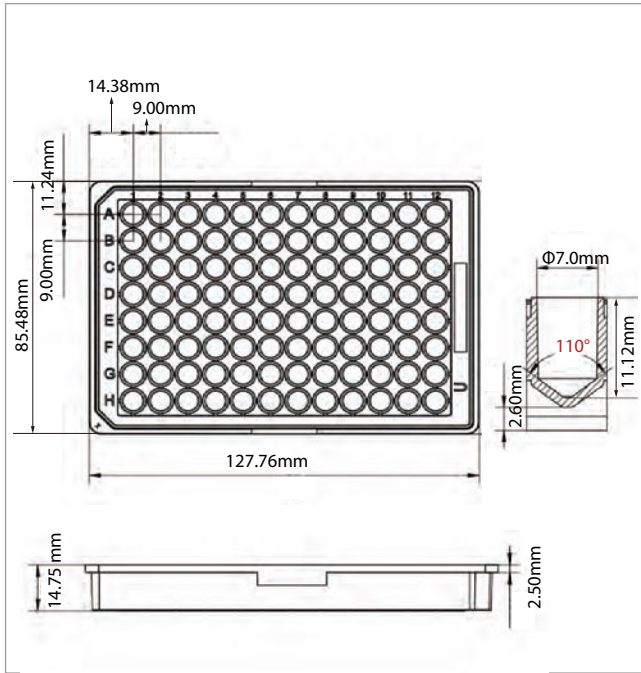
### ● Accessories

Description	Packaging	Non-Sterile Cat. No.	Sterile Cat. No.
8-strip Plastic Comb, Compatible with 503711 & 503761	2/pk, 50/box, 500/cs	509211	509261
96 Tip Combs for Magnetic applications, Equivalent to Thermo Fisher #97002534	2/pk, 50/cs	503311	503361
24 Well Plastic Comb and 16ml 24 well deep well plates, 67.6*13.5 mm	1/pk, 25/cs	/	509001
24 Well Plastic Comb for 16ml 24 well deep well plates, 67.6*13.5 mm	1/pk, 25/cs	/	510011

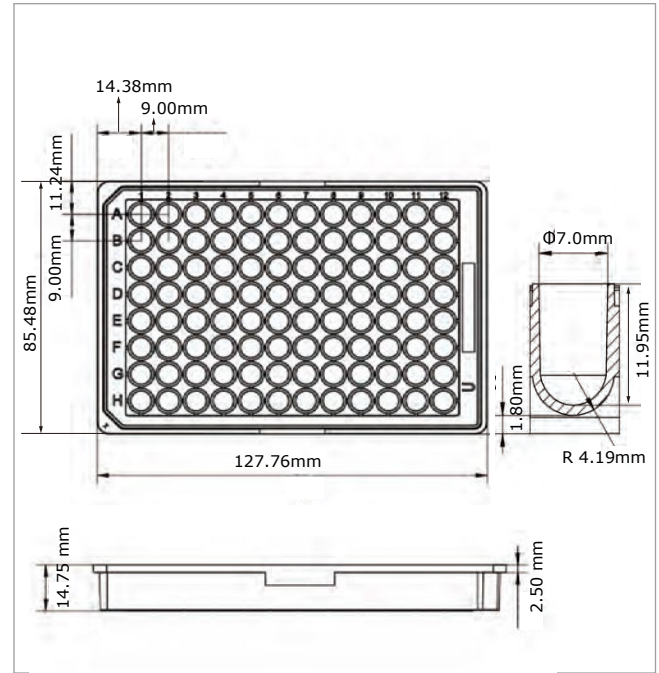
## Technical Drawing

### • Round Well

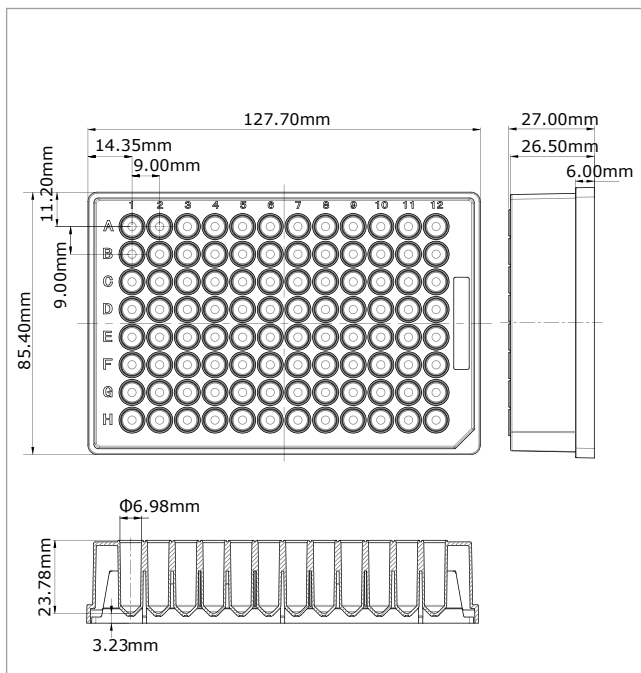
0.36 mL 96-Well Deep Well Plate, V-Bottom, Round Well  
Cat.No.:500101/500161



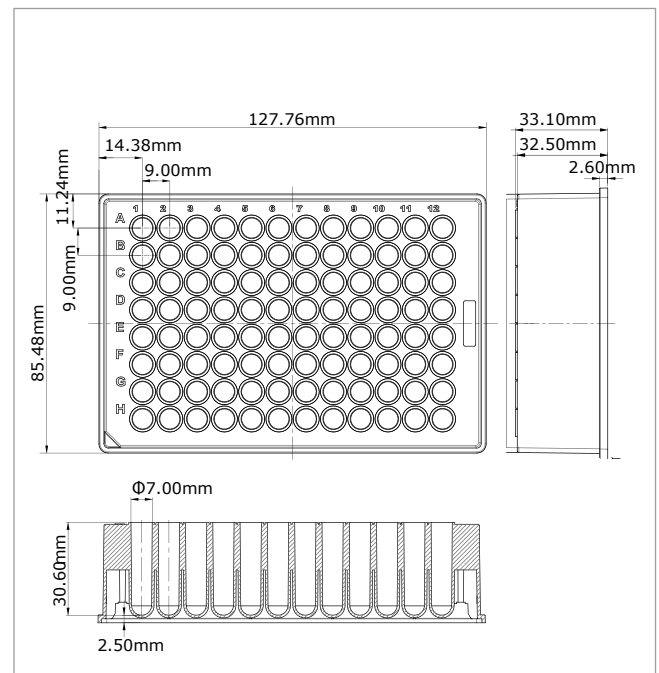
0.4 mL 96-Well Deep Well Plate, U-Bottom, Round Well  
Cat.No.:501102/501162



0.5 mL 96-Well Deep Well Plate, V-Bottom, Round Well  
Cat.No.:501101/501601

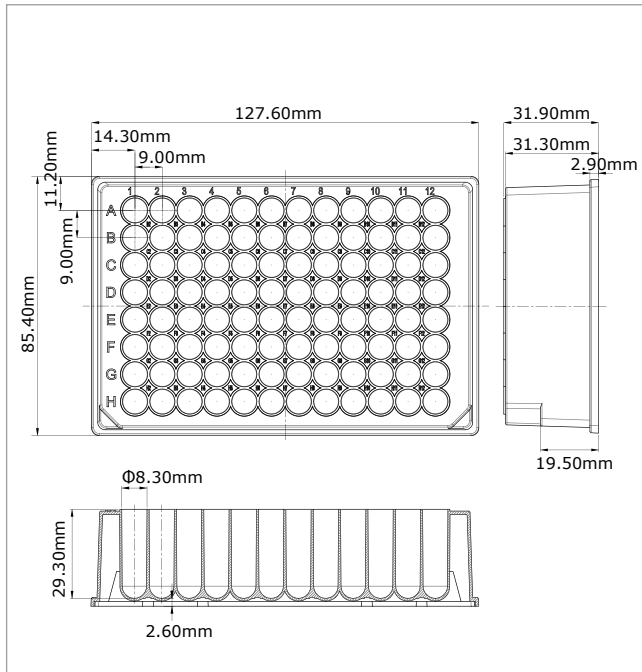


1.0 mL 96-Well Deep Well Plate, U-Bottom, Round Well  
Cat.No.:502102/502162

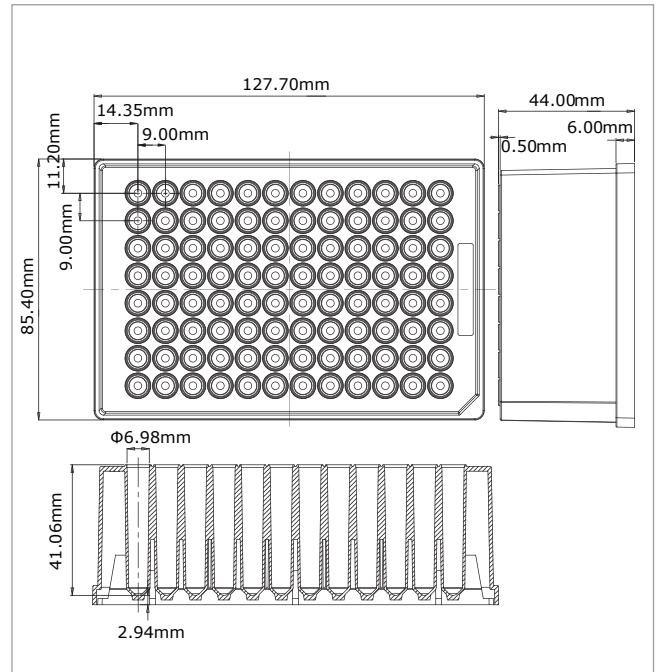


## ● Round Well

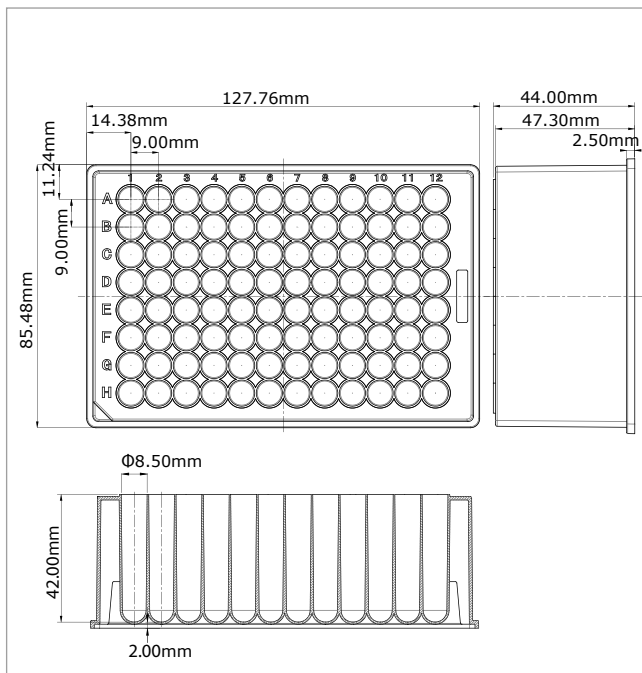
1.3mL 96-Well Deep Well Plate, U-Bottom, Round Well  
Cat.No.:507001/507101



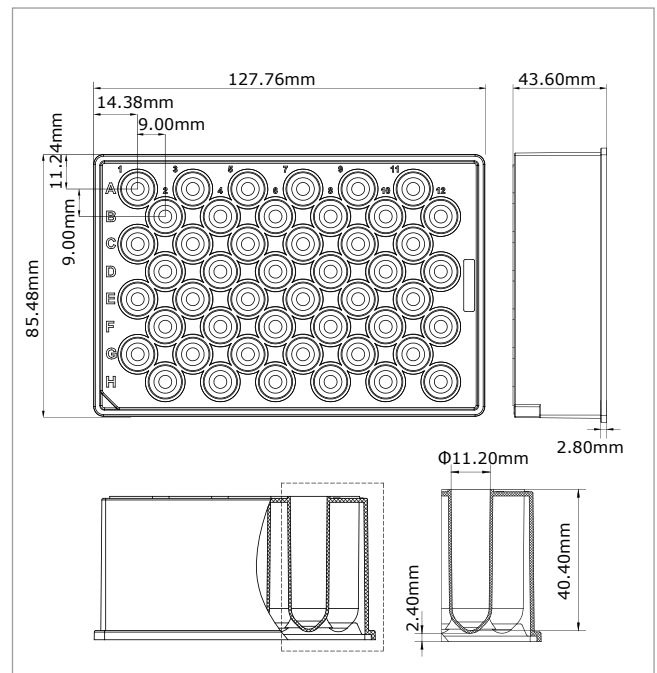
1.3 ml 96-Well Deep Well Plate, V-Bottom, Round well  
Cat.No.:502101/502601



2.0 ml 96-Well Deep Well Plate, U-Bottom, Round Well  
Cat.No.:503102/503162

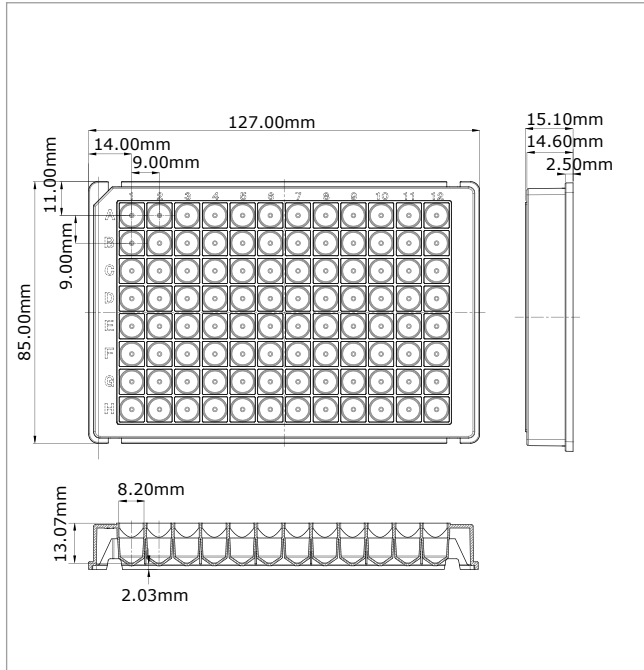


3.5 ml 48-Well Deep Well Plate, U-Bottom, Round well  
Cat.No.:504102/504162

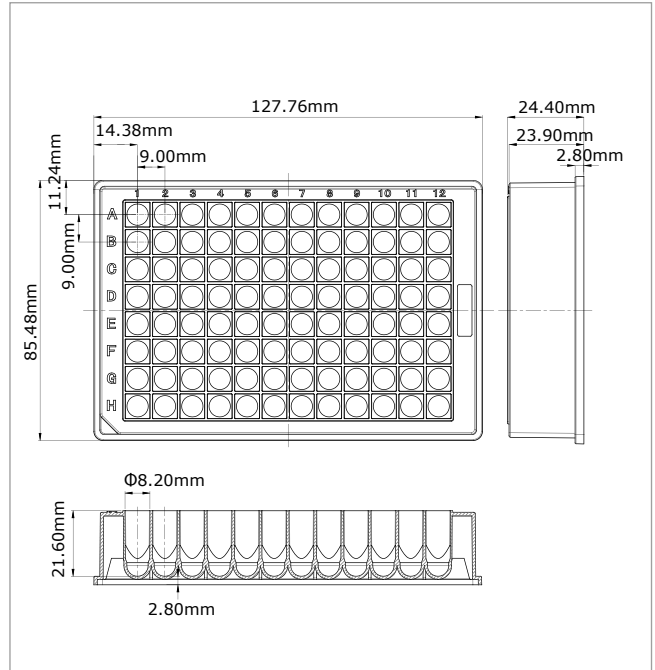


## • Square Well

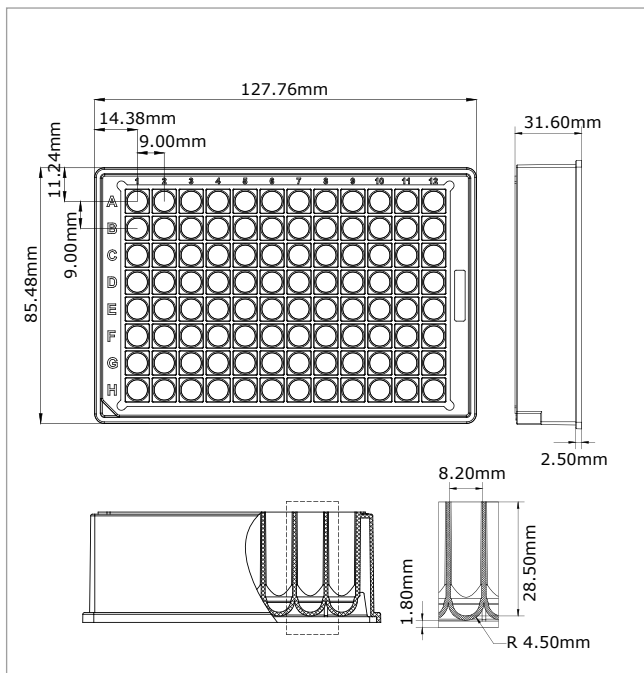
0.5 ml 96-Well Deep Well Plate, V Conical Bottom, Square well  
Cat.No.:500021/500621



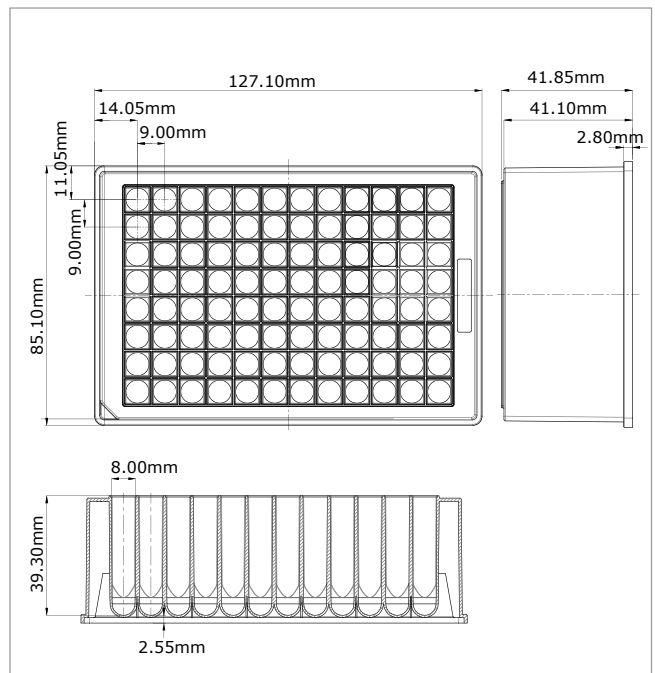
1.0 ml 96-Well Deep Well Plate, U-Bottom, Square Well  
Cat.No.:501002/501062



1.6 ml 96-Well Deep Well Plate, U-Bottom, Square Well  
Cat.No.:502002/502062

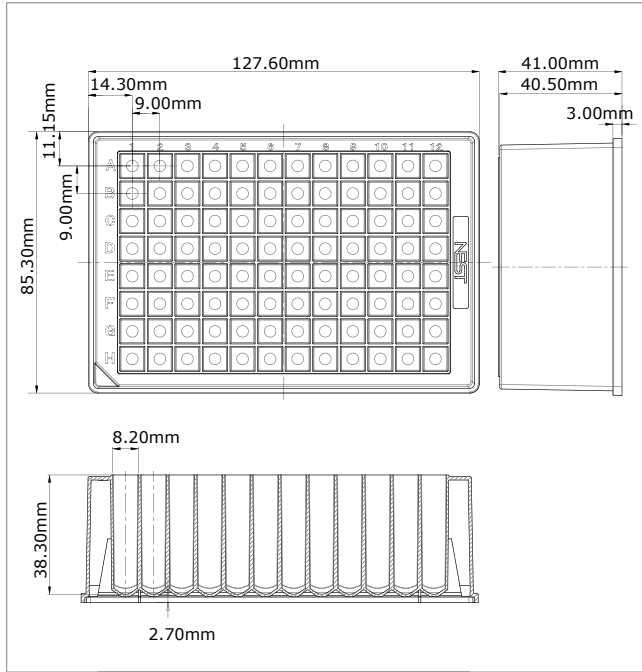


2.2 ml 96-Well Deep Well Plate, U-Bottom, Square Well  
Cat.No.:503002/503062

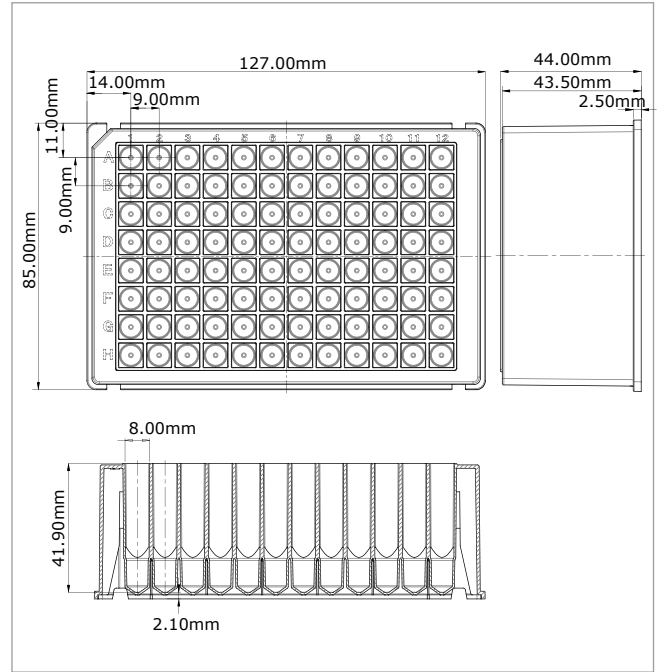


## • Square Well

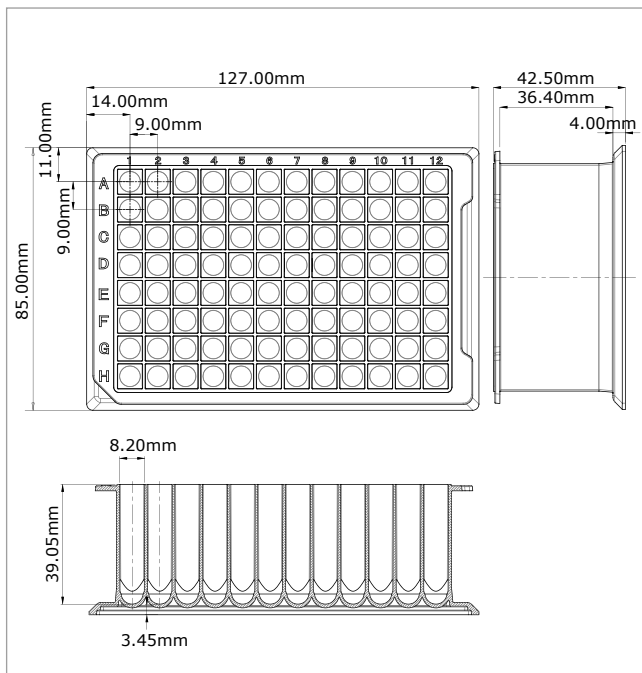
2.2 mL 96-Well Deep Well Plate, V-Bottom, Square well  
Cat.No.:503001/503501



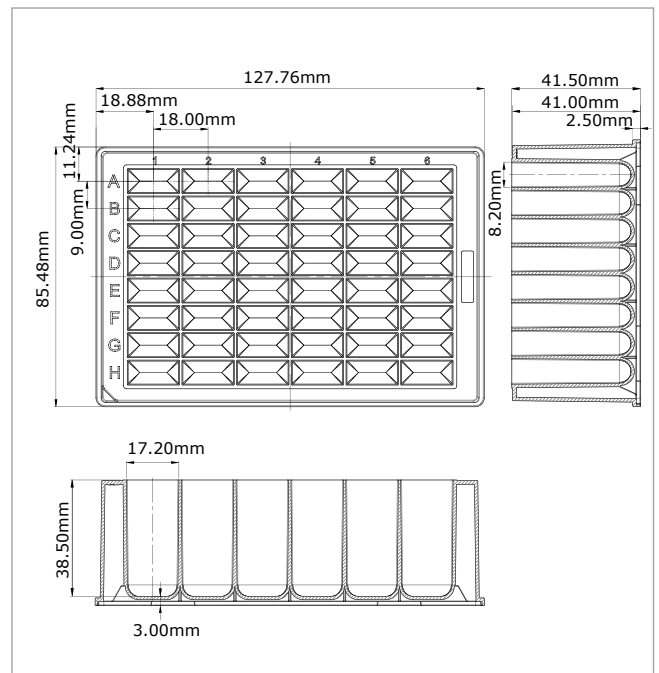
2.2 mL 96-Well Deep Well Plate, V Conical Bottom, Square well  
Cat.No.:503021/503621



2.2 mL 96-Well Deep Well Plate, I-Shaped, U-Bottom, Square Well  
Cat.No.:503711/503761

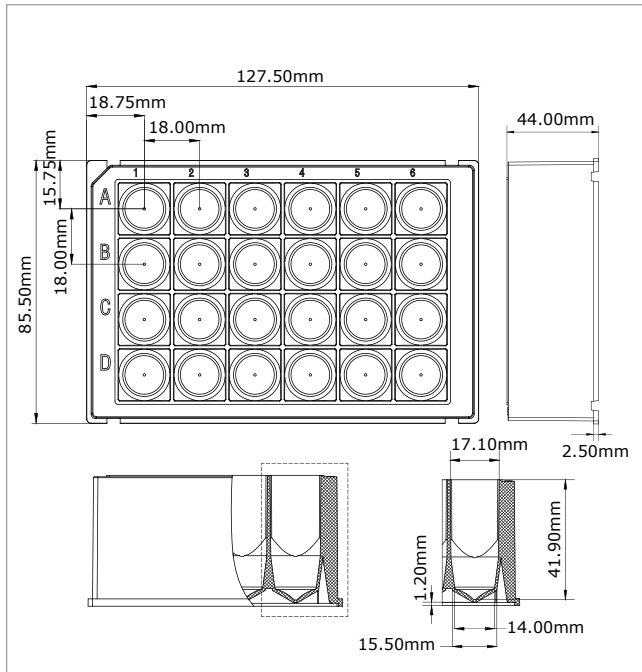


4.6 mL 48-Well Deep Well Plate, U-Bottom, Square well  
Cat.No.:504002/504062

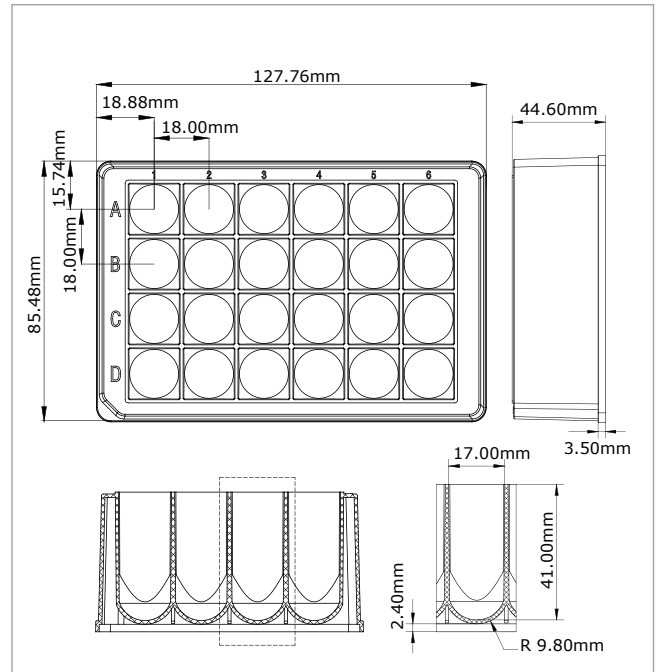


## • Square Well

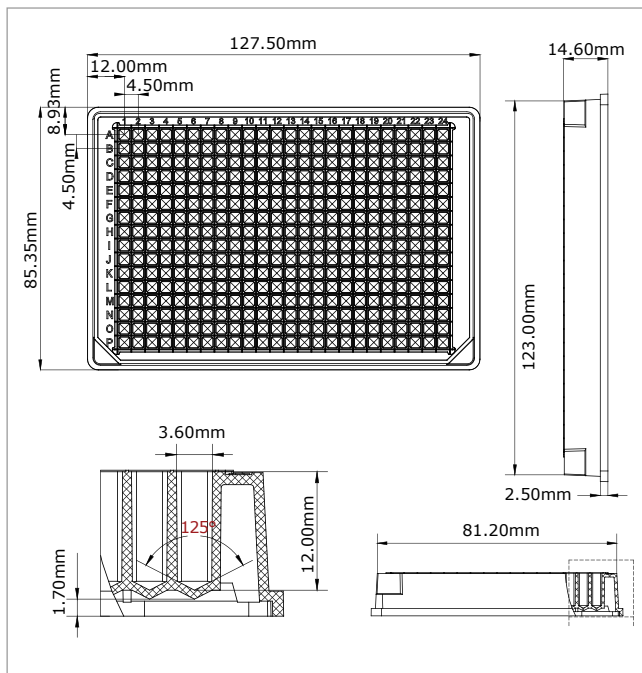
10.4 ml 24-well Deep Well Plate, V-Bottom, Square well  
Cat.No.:504301/504361



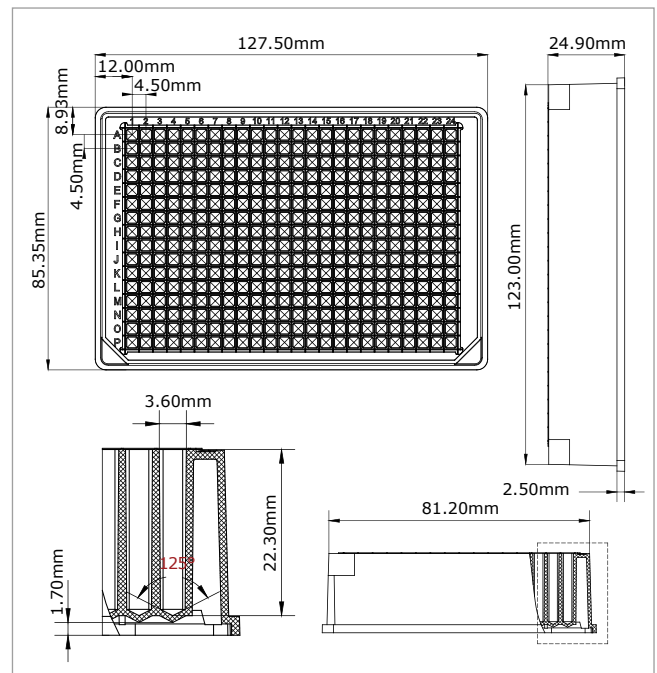
10.4 ml 24-well Deep Well Plate, U-Bottom, Square well  
Cat.No.:504302/504362



120 µl 384 well Deep Well Plates, V Bottom, Square Well  
Cat.No.:504701/504761



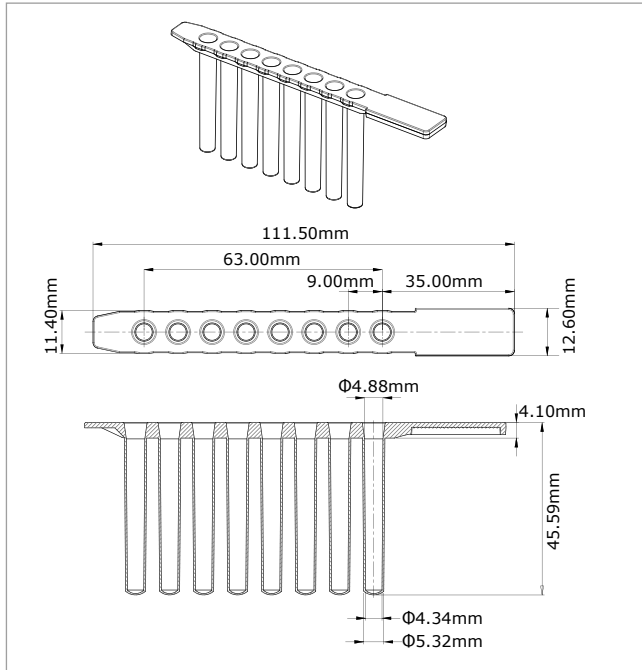
240 µL 384 well Deep Well Plates, V Bottom, Square Well  
Cat.No.:504703/504763



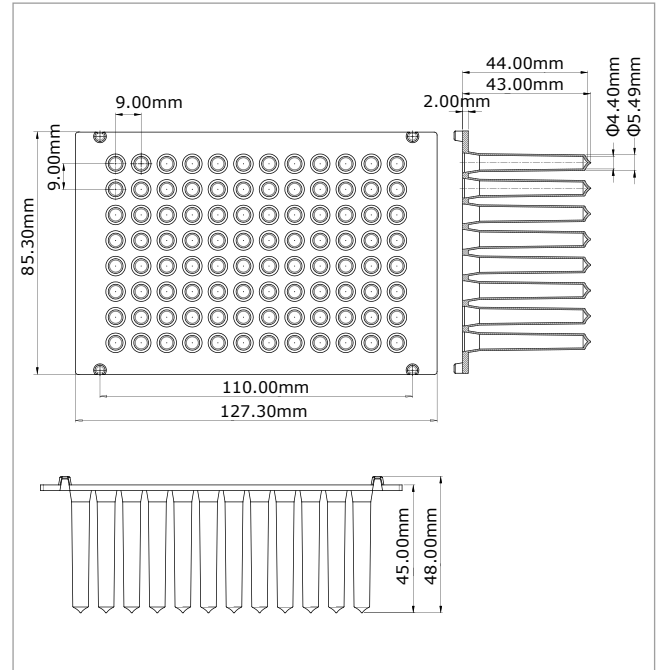


## • Accessories

8-strip Plastic Comb, Compatible with 503711 & 503761  
Cat.No.:509211/509261



96 Tip Combs for Magnetic applications, Equivalent to Thermo Fisher #97002534  
Cat.No.:503311/503361



Cat.No.: 510001 (16 mL 24-Well Deep Well Plates, V Bottom, Square Well)

509001 (24 Tip Combs, 67.6\*13.5 mm, Compatible with Thermo KingFisher System)

510011 (24 Well Plastic Comb and 16ml 24 well deep well plates)

