



BIO/PORT

EUROPE

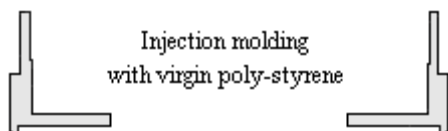
Glass Bottom

Dishes & Plates

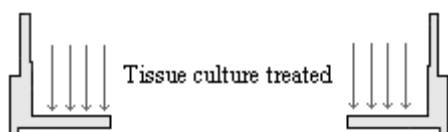
For Biomedical Research



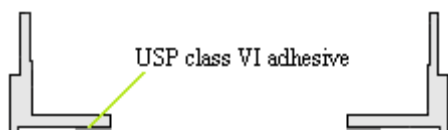
IVS Glass Bottom Dishes & Plates



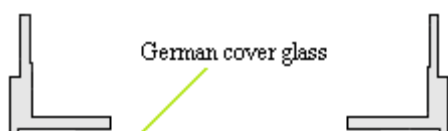
Petri dishes/plates with micro-well are directly injection molded using virgin poly-styrene. Directly injection molded dishes/plates offer **better precision and reproducibility** than manually cut dishes/plates.



Dishes/plates are **tissue culture treated** to allow healthy growth of cells on the plastic surface (This does not apply to 24/96/384 well glass bottom plates which have full glass bottom).



A **USP class VI adhesive** is applied to the dishes/plates. The adhesive is extremely resistant to water and other commonly used solvents such as methanol and ethanol, that makes our glass bottom dishes and glass bottom plates **better suited for long-term tissue culture** and subsequent assays.

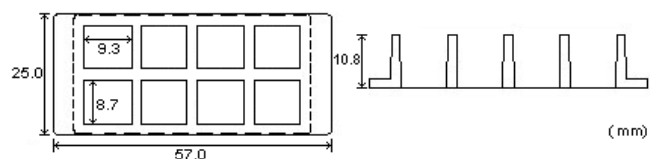
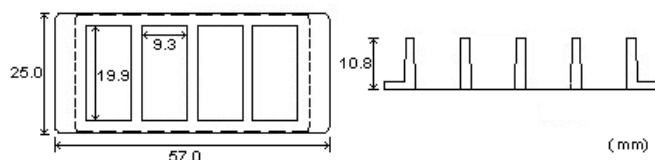
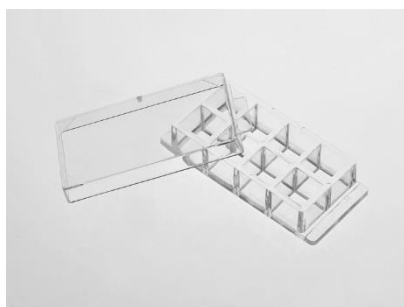
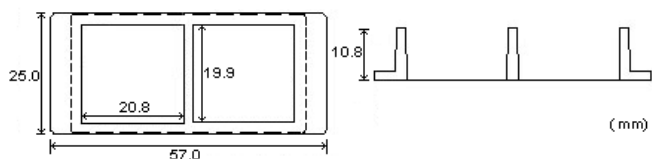
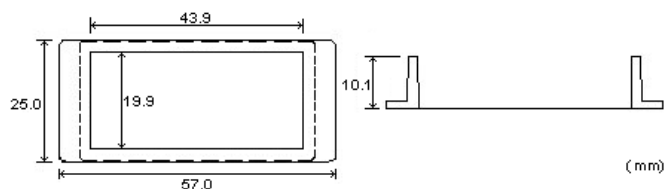
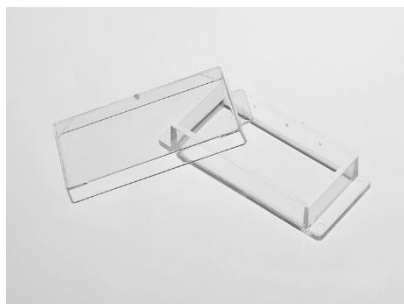


A **German cover glass** is attached to each dish/plate/slide. German cover glass is believed to be better for growing finical cell lines. It has low absorption within the visible light spectrum (for #1 cover glass, less than 10% for wavelength > 400nm), and high absorption for UV light (for #1 cover glass, over 90% for wavelength < 300nm), which is **ideal for fluorescent microscopy**.

Packaged in easy to open sleeves/trays and sterilized by Gamma irradiation.



Chambered Cover Glass (1,2,4,8)

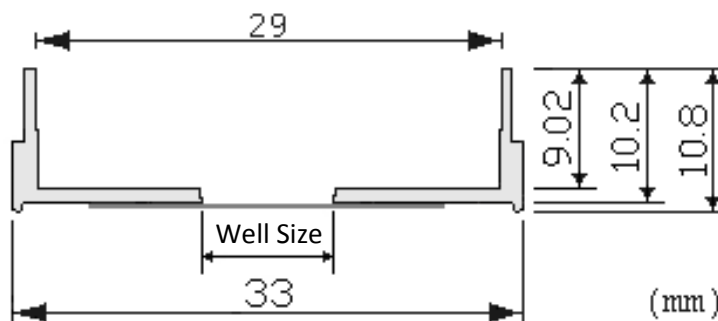


Chambered Cover glass is used for high-magnification microscopy and confocal image analysis on microscopes equipped with slide adapters.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- Plastic frame made from virgin polystyrene, tissue culture treated.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the plate.
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
C1-1.5H-N »	N/A	#1.5H	48 units per case
C2-1.5H-N »	N/A	#1.5H	48 units per case
C4-1.5H-N »	N/A	#1.5H	48 units per case
C8-1.5H-N »	N/A	#1.5H	48 units per case

29 mm Glass Bottom Dishes

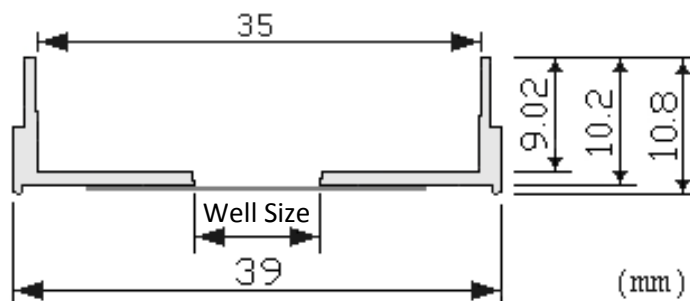


We found that a small percentage of microscope adapters are too small for our 35 mm glass bottom dishes. 29 mm glass bottom dishes are designed for these adapters. In general 29 mm glass bottom dishes can fit into adapters that 35 mm glass bottom dishes fit. However 29 mm glass bottom dishes are smaller thus are harder to handle.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- Dish made from virgin polystyrene, tissue culture treated.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the dish.
- Packed in easy to open peelable bag
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
D29-10-0-N »	10mm	#0	10/sleeve, 100/case
D29-10-1-N »	10mm	#1	10/sleeve, 100/case
D29-10-1.5-N »	10mm	#1.5	10/sleeve, 100/case
D29-14-0-N »	14mm	#0	10/sleeve, 100/case
D29-14-1-N »	14mm	#1	10/sleeve, 100/case
D29-14-1.5-N »	14mm	#1.5	10/sleeve, 100/case
D29-20-0-N »	20mm	#0	10/sleeve, 100/case
D29-20-1-N »	20mm	#1	10/sleeve, 100/case
D29-20-1.5-N »	20mm	#1.5	10/sleeve, 100/case

35 mm Glass Bottom Dishes



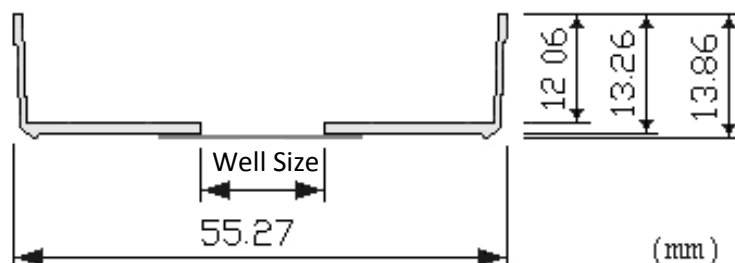
Our 35 mm glass bottom dishes have the same size as BD's 35 mm culture dishes. They are slightly bigger than the glass bottom dishes by some other vendors (such as Mattek) that are made from Corning's 35 mm culture dishes. They are bigger and sturdier thus are easier to handle.

We found that a small percentage of microscope adapters are too small for our 35 mm glass bottom dishes. Please check carefully the dimension of the dishes in product detail page. If your adapter is too small, you should use our 29mm glass bottom dish instead.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- Dish made from virgin polystyrene, tissue culture treated.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the dish.
- Packed in easy to open peelable bag
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
D35-10-0-N »	10mm	#0	10/sleeve, 100/case
D35-10-1-N »	10mm	#1	10/sleeve, 100/case
D35-10-1.5-N »	10mm	#1.5	10/sleeve, 100/case
D35-14-0-N »	14mm	#0	10/sleeve, 100/case
D35-14-1-N »	14mm	#1	10/sleeve, 100/case
D35-14-1.5-N »	14mm	#1.5	10/sleeve, 100/case
D35-20-0-N »	20mm	#0	10/sleeve, 100/case
D35-20-1-N »	20mm	#1	10/sleeve, 100/case
D35-20-1.5-N »	20mm	#1.5	10/sleeve, 100/case

55 mm Glass Bottom Dishes

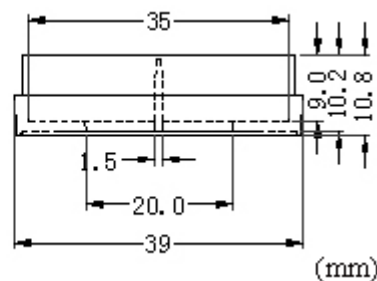
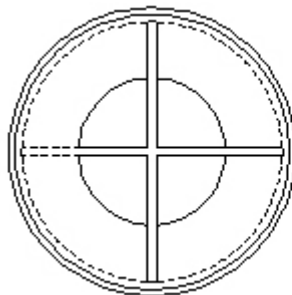


55 mm glass bottom dishes allow a flatter angle for injection, and the 30mm micro-well dishes have a large cover glass area that allows more cells for sampling.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- Dish made from virgin polystyrene, tissue culture treated.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the dish.
- Packed in easy to open peelable bag
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
D60-14-0-N »	14mm	#0	10/sleeve, 100/case
D60-14-1-N »	14mm	#1	10/sleeve, 100/case
D60-14-1.5-N »	14mm	#1.5	10/sleeve, 100/case
D60-30-0-N »	30mm	#0	10/sleeve, 100/case
D60-30-1-N »	30mm	#1	10/sleeve, 100/case
D60-30-1.5-N »	30mm	#1.5	10/sleeve, 100/case

4 Chamber Glass Bottom Dishes



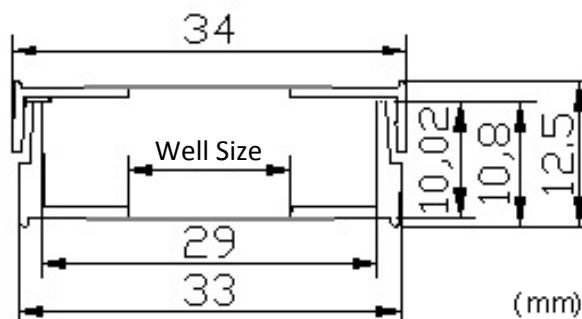
A 4 Chamber 35mm glass bottom dish has the same size as a 35mm glass bottom dish. However the dish is divided into 4 chambers that quadruples sample size.

We found that a small percentage of microscope adapters are too small for our 35 mm glass bottom dishes. Please check carefully the dimension of the dishes in product detail page. If your adapter is too small, you should use our 29mm glass bottom dish instead.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- Dish made from virgin polystyrene, tissue culture treated.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the dish.
- Packed in easy to open peelable bag
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
D35C4-20-0-N »	20mm	#0	10/sleeve, 100/case
D35C4-20-1-N »	20mm	#1	10/sleeve, 100/case
D35C4-20-1.5-N »	20mm	#1.5	10/sleeve, 100/case

Glass top glass bottom dishes

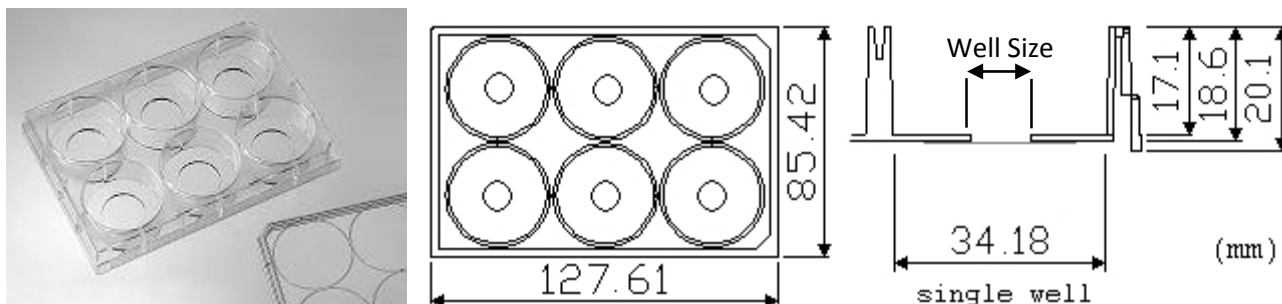


Glass top dishes are like regular glass bottom dishes, except that there is a hole in the lid, the hole is covered with a #0 cover glass.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- Dish made from virgin polystyrene, tissue culture treated.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the dish.
- Packed in easy to open peelable bag
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
D29-14-0-TOP »	14mm	#0	10/sleeve, 100/case
D35-20-0-TOP »	20mm	#0	10/sleeve, 100/case

6 Micro-well Glass Bottom Plates

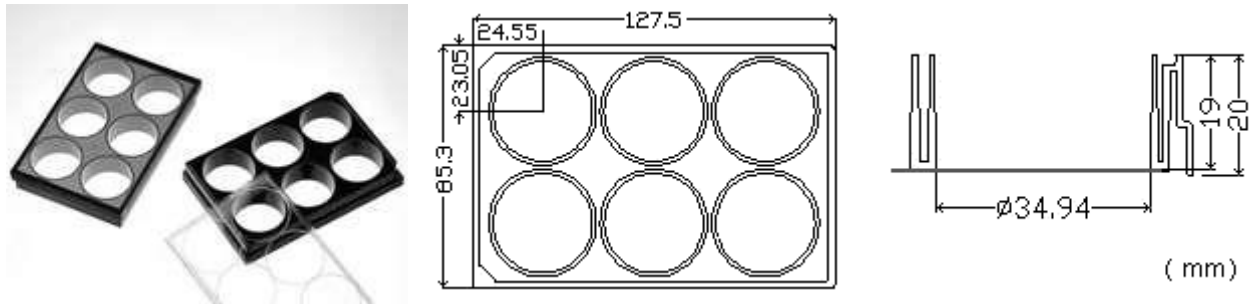


6 micro-well glass bottom plates are easier to handle than glass bottom dishes. Also different micro-well size offers the flexibility of different sample size and amount of reagents needed for assays.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- 6 well plates are made from virgin polystyrene, tissue culture treated.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the plate.
- Individually packed in easy to peel trays
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
P06-10-0-N »	10mm	#0	indiv. packed, 20/case
P06-10-1-N »	10mm	#1	indiv. packed, 20/case
P06-10-1.5-N »	10mm	#1.5	indiv. packed, 20/case
P06-14-0-N »	14mm	#0	indiv. packed, 20/case
P06-14-1-N »	14mm	#1	indiv. packed, 20/case
P06-14-1.5-N »	14mm	#1.5	indiv. packed, 20/case
P06-20-0-N »	20mm	#0	indiv. packed, 20/case
P06-20-1-N »	20mm	#1	indiv. packed, 20/case
P06-20-1.5-N »	20mm	#1.5	indiv. packed, 20/case

6 well Glass Bottom Plates

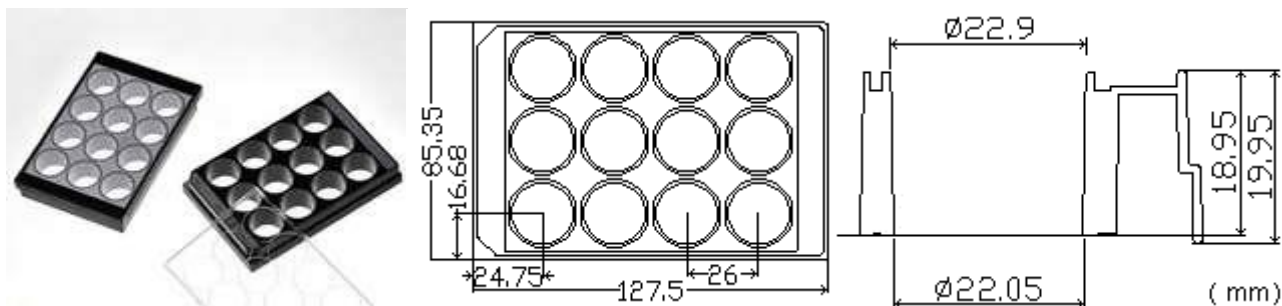


6 well glass bottom plates are often used in experiments that need medium to large sample size.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- 6 well plates are made from virgin polystyrene, tissue culture treated.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the plate.
- Individually packed in easy to peel trays
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
P06-1.5H-N »	35mm	#1.5H	indiv. packed, 20/case

12 well Glass Bottom Plates

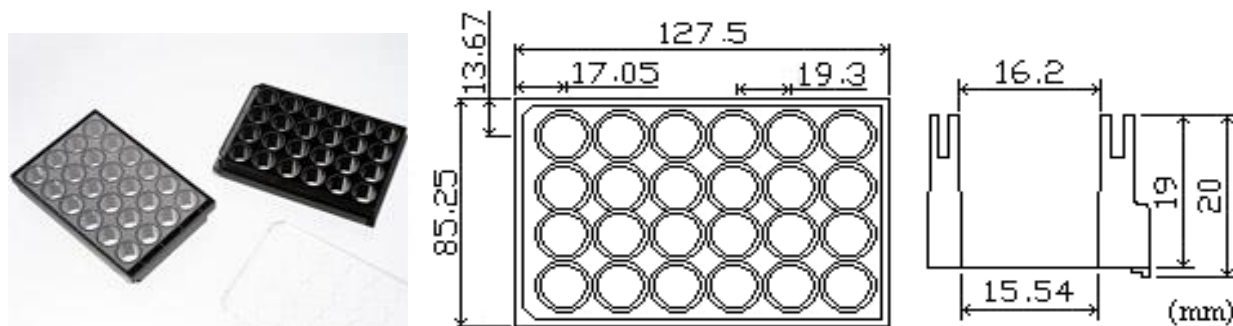


12 well glass bottom plates are often used in experiments that need medium to large sample size.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- 12 well plates are made from virgin polystyrene, tissue culture treated.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the plate.
- Individually packed in easy to peel trays
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
P12-1.5H-N »	35mm	#1.5H	indiv. packed, 20/case

24 well Glass Bottom Plates

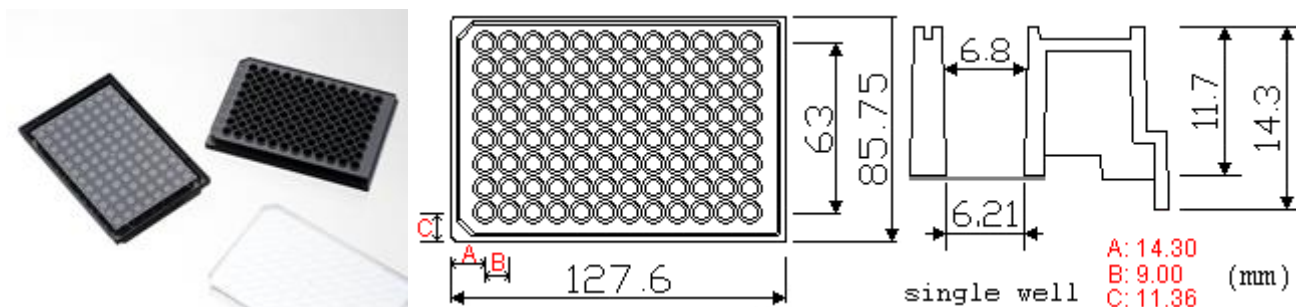


24 well glass bottom plates are often used in experiments that need medium to large sample size.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- 24 well plates are made from virgin polystyrene, tissue culture treated.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the plate.
- Individually packed in easy to peel trays
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
P24-0-N »	15mm	#0	indiv. packed, 20/case
P24-1.5H-N »	15mm	#1.5H	indiv. packed, 20/case

96 well glass bottom plates

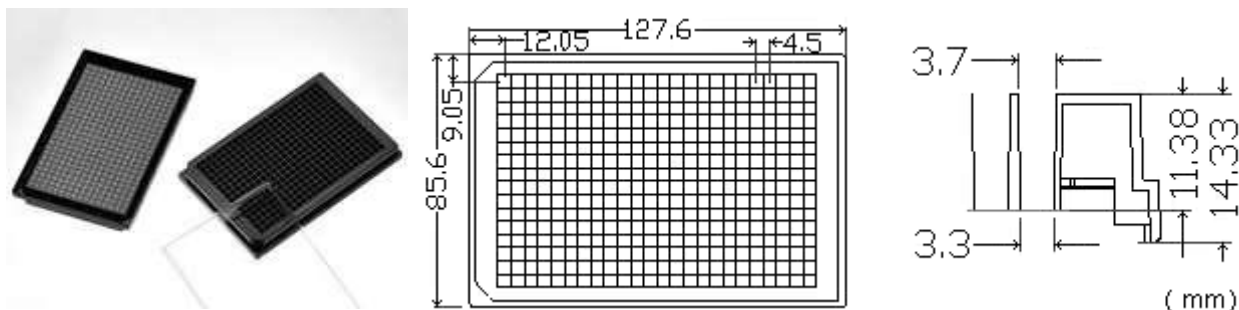


96 well glass bottom plates are suited for assays that require large sample size.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- 96 well plates are made from virgin polystyrene.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the plate.
- Individually packed in easy to open trays
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
P96-1-N »	06mm	#1	indiv. packed, 20/case
P96-1.5H-N »	06mm	#1.5H	indiv. packed, 20/case
P96-10-0-N »	06mm	#0	indiv. packed, 20/case

384 well glass bottom plates



384 well glass bottom plates are suited for high throughput assays.

- Suitable for long term tissue culture
- Manufactured in a class 10,000 clean room
- 384 well plates are made from virgin polystyrene.
- German cover glass of superior optical quality
- A USP class VI adhesive is used to assemble the cover glass and the plate.
- Individually packed in easy to open trays
- Sterilized by Gamma radiation.

Cat. No.	Well Size	Glass #	Packing
P384-1.5H-N »	03.3mm	#1.5H	indiv. packed, 20/case

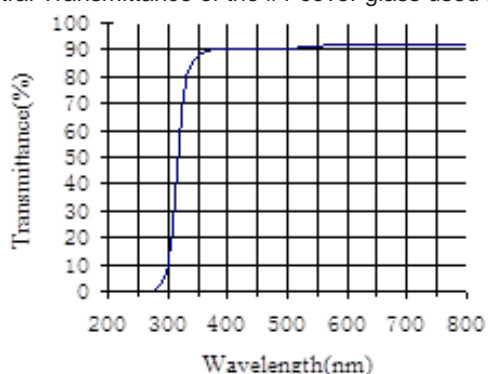
Glass Bottom Dish, Glass Bottom Plate Product FAQs

What are the thickness of glass #0, #1, #1.5, #1.5H, #2?

Glass Number	#0	#1	#1.5	#1.5H	#2
Glass Thickness(Mm)	0.085-0.115	0.13-0.16	0.16-0.19	0.170±0.005	0.19-0.23

What is the spectral transmittance of the cover glass ?

Spectral Transmittance of the #1 cover glass used for our glass bottom dish/plate:



What kind of adhesive is used to adhere the dish and the cover glass? How can I detach the bottom glass?

We use a USP class VI adhesive to adhere the dish and the cover glass. This adhesive is nontoxic, and it is resistant to water and common fixing reagents such as methanol and ethanol. This makes our glass bottom dishes and glass bottom plates ideal for long term cell culture.

The bad news is that the adherence between the dish and the cover glass is so strong, that it is very difficult to detach the cover glass from the dish.

What is the difference between the plastic surface and glass surface for growing cells?

Most plastic vessels used to culture attached cells are made from polystyrene. Since polystyrene is hydrophobic and most cultured cells cannot attach to hydrophobic surface, plastic cell culture vessels are usually surface treated to introduce hydrophilic groups onto the surface to help the attachment of cultured cells.

Glass surface on the other hand, does not need any pre-treatment to allow the attachment of the cultured cells. However the attachment usually is not as strong as that of surface treated polystyrene, our experience indicates that poly-lysine and collagen coating works much better on plastic than on glass. Consequently, poly-lysine or collagen coating on glass are less stable than poly-lysine or collagen coating on surface treated plastics.

What are the exact dimensions of your glass bottom dishes and glass bottom plates?

We have a detailed diagram of each of our glass bottom dishes and glass bottom plates, you can find them in the detailed description of each product. The dimension of the glass bottom plates conforms to ANSI/SBS standard.

What is the harmonized tariff code of your products?

The harmonized tariff code of our glass bottom dishes and plates is 3296.90.99.10