Black Plate

(# 33212/33312/33224/33324/33196/33296/33396/332384/333384)

1. Description

SPL Black Plate has low auto-fluorescence with efficient light blocking ability to obtain most accurate result in fluorescence experiments. Also, microscopic observation can be done simultaneously with fluorescence experiment due to its highly transparent bottom.

Surface materials for Black Plates

Glass: naturally charged, good growth surface for adherent cells
FLux: surface modified plastic film (188 μm thick), optimal for confocal microscopy
PS: thinner than existing PS plate, good for cell attachment and microscopic observation.

2. Features

- ❖ Black Wall/Clear Bottom
- ❖ Bottom materials: Glass or FLux or PS
- ❖ Designed to prevent cross contamination
- ❖ Effective gas exchange lid inner design
- ❖ Alphanumeric labeling
- ❖ Individual packaging in plastic tray (Cat.No. 33196/33296/332384/333384)

3. Functional Test

Sterility	:	Passed
Non-Cytotoxic	:	Passed
Non-Pyrogenic	:	Passed
DNase / RNase free	:	Passed
DNA free	:	Passed

4. Product Range

Cat. No.	Material (Plate/Bottom)	Bottom Type	External Dimension (mm)	Well Dimension d x h (mm)	Growth Area (cm^2)	Working Volume (ml)	Surface Treatment	Sterile	Packaging
33212	PS / FLux	Flat	85.40 x 127.60 x 20.20	21.90 x 17.50	3.80	2.00	+	+	1 / 10
33312	PS / PS	Flat	85.40 x 127.60 x 20.20	21.90 x 17.50	3.80	2.00	+	+	1 / 10
33224	PS / FLux	Flat	85.40 x 127.60 x 20.20	15.50 x 17.50	1.90	1.00	+	+	1 / 10
33324	PS / PS	Flat	85.40 x 127.60 x 20.20	15.50 x 17.50	1.90	1.00	+	+	1 / 10
33196	PS / Glass	Flat	85.40 x 127.60 x 14.40	6.50 x 10.80	0.30	0.20	-	+	1 / 20
33296	PS / FLux	Flat	85.40 x 127.60 x 14.40	6.50 x 10.80	0.30	0.20	+	+	1 / 20
33396	PS / PS	Flat	85.40 x 127.60 x 14.40	6.50 x 10.80	0.30	0.20	+	+	5 / 25
332384	PS / FLux	Flat	85.40 x 127.60 x 14.40	3.00 x 11.50	0.07	0.10	+	+	1 / 10
333384	PS / PS	Flat	85.40 x 127.60 x 14.40	3.00 x 11.50	0.07	0.10	+	+	1 / 10

5. Certification

SPL Life Sciences hereby certifies that the product identified above, inspected to be in compliance with product quality specification and requirements as documented in our ISO 9001:2015 Quality Management System (K-QA-Q031478) in Korea.

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6. Product Photographs



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7. Specifications & Technical Drawing

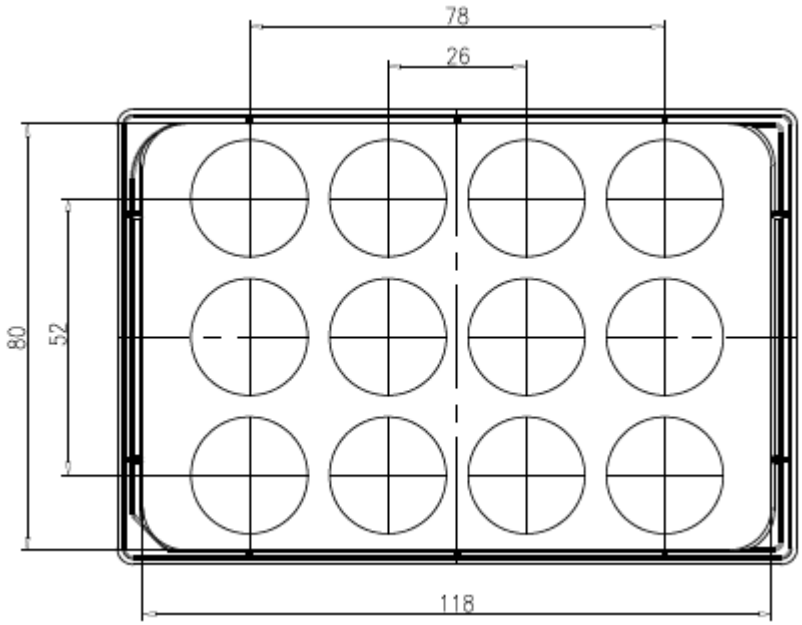
(1) 12well Black Plate (#33212/33312)

- Specifications

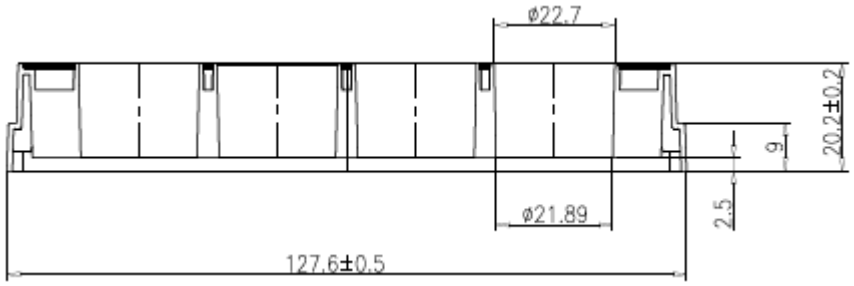
Dimensions				Material (Resin)	Packaging
Lid		Plate			
Length:	127.10 mm	Length:	118.00 mm	Plate: Crystal–grade polystyrene (PS) Bottom: FLux Film (33212), PS Film (33312)	▪ Pieces/Sleeve: 1 ▪ Pieces/Case: 10
Width:	84.90 mm	Width:	80.00 mm		
Height:	9.00 mm	Height:	20.20 mm		
		Well Dimension:	22.70 mm		
Volume per Well:		2.00 ml			
Growth Area:		3.80 cm^2			

- Technical Drawing

Plate



Flat Bottom



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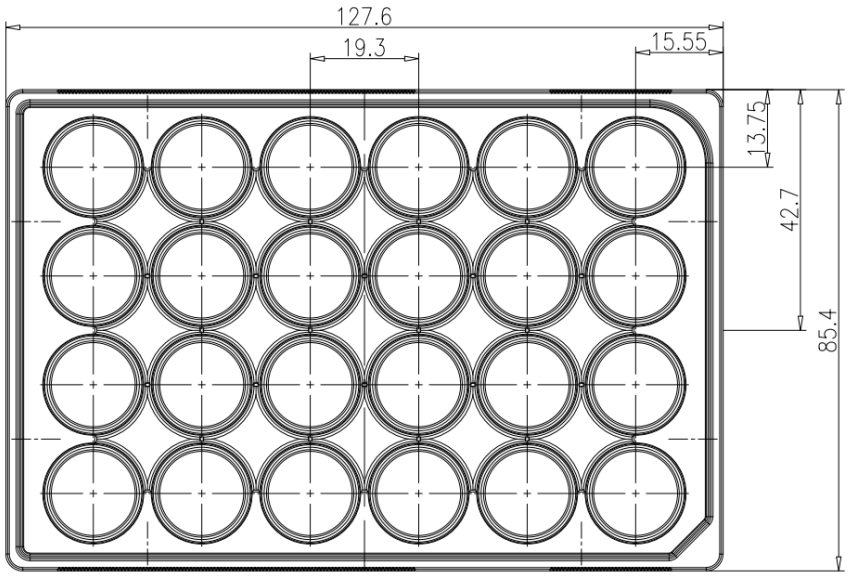
(2) 24well Black Plate (#33224/33324)

- Specifications

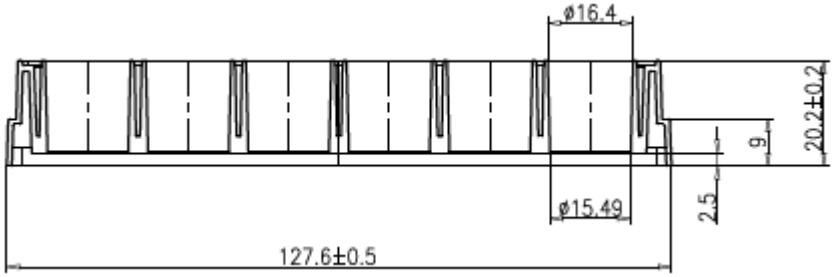
Dimensions				Material (Resin)	Packaging
Lid		Plate			
Length:	127.10 mm	Length:	118.00 mm	Plate: Crystal–grade polystyrene (PS) Bottom: FLux Film (33224), PS Film (33324)	▪ Pieces/Sleeve: 1 ▪ Pieces/Case: 10
Width:	84.90 mm	Width:	80.00 mm		
Height:	9.00 mm	Height:	20.20 mm		
		Well Dimension:	16.40 mm		
Volume per Well:		1.00 ml			
Growth Area:		1.90 cm^2			

- Technical Drawing

Plate



Flat Bottom



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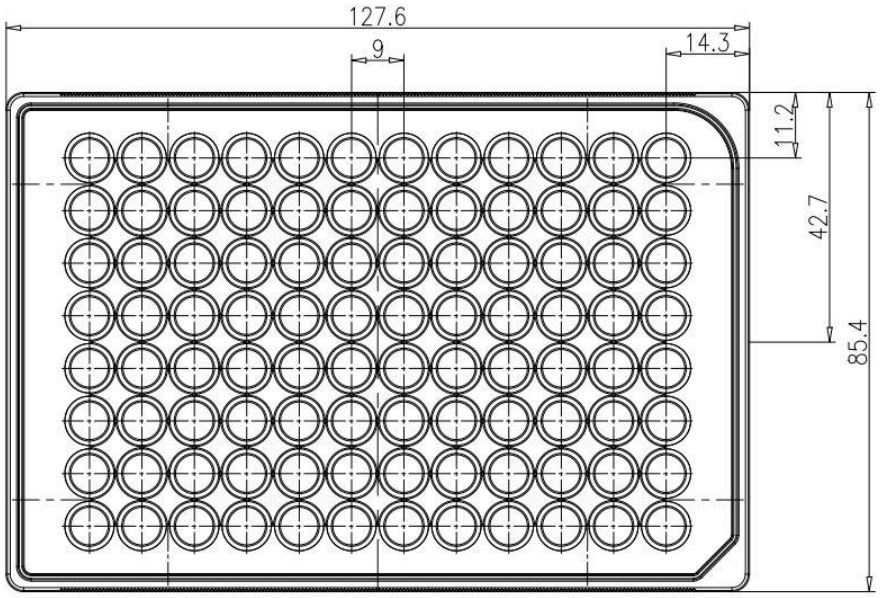
(3) 96well Black Plate (#33196/33296/33396)

- Specifications

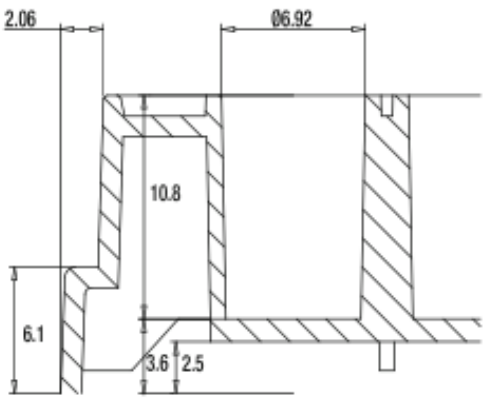
Dimensions				Material (Resin)	Packaging
Lid		Plate			
Length:	127.10 mm	Length:	127.60 mm	Plate: Crystal–grade polystyrene (PS) Bottom: Glass (33196), FLux Film (33296), PS Film (33396)	▪ Pieces/Sleeve: 1 ▪ Pieces/Case: 20
Width:	84.90 mm	Width:	85.40 mm		
Height:	9.00 mm	Height:	14.40 mm		
		Well Dimension:	6.40 mm		
Volume per Well:		0.20 ml			
Growth Area:		0.32 cm^2			

- Technical Drawing

Plate



Flat Bottom



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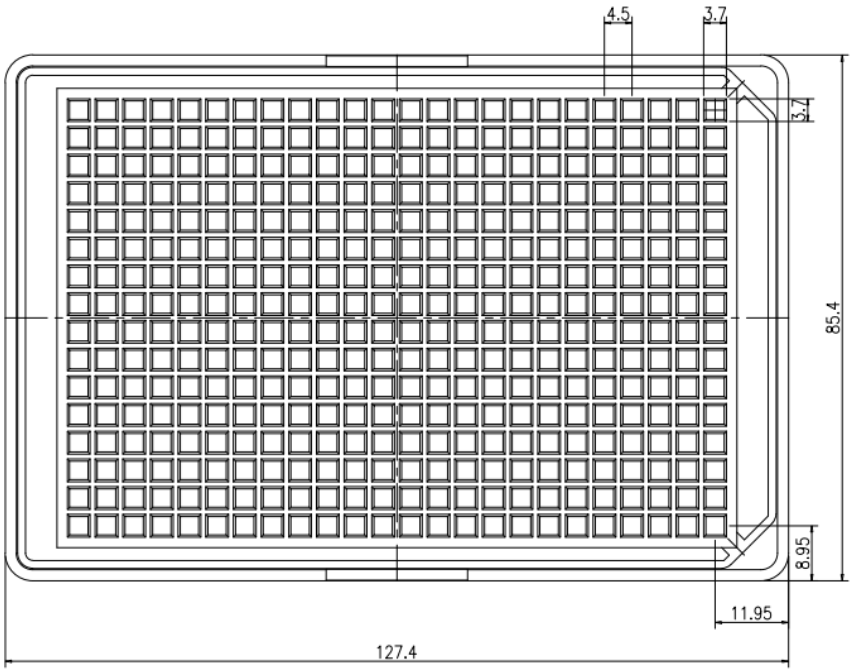
(4) 384well Black Plate (#332384/333384)

- Specifications

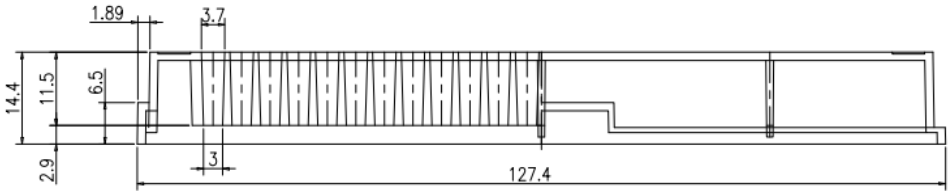
Dimensions				Material (Resin)	Packaging
Lid		Plate			
Length:	127.10 mm	Length:	127.40 mm	Plate: Crystal–grade polystyrene (PS) Bottom: FLux Flim (335384), PS Film (336384)	▪ Pieces/Sleeve: 1 ▪ Pieces/Case: 10
Width:	84.90 mm	Width:	85.40 mm		
Height:	9.00 mm	Height:	14.40 mm		
		Well Dimension:	3.70 mm		
Volume per Well:		0.10 ml			
Growth Area:		0.07 cm^2			

- Technical Drawing

Plate



Flat Bottom



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For technical assistance, contact SPL R&D Center at:
Tel: +82-31-533-4800; Fax: +82-31-533-1430; e-mail: spl@ispl.co.kr
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