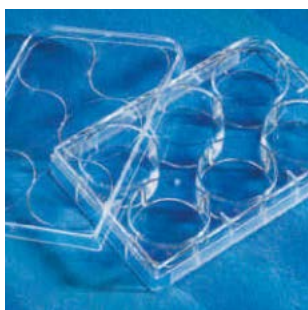


Multiple Well Plates

Cell Culture



6-well culture plate
(Cat. No. 3516)



12-well culture plate
(Cat. No. 3513)



24-well culture plate
(Cat. No. 3524)



48-well culture plate
(Cat. No. 3548)

Costar® 6-well, 12-well, 24-well, and 48-well Cell Culture Plates

- ▶ Individual alphanumeric codes for well identification, flat bottoms
- ▶ Treated for optimal cell attachment (except where noted)
- ▶ Corning® CellBIND® surface is a novel cell culture treatment that increases surface wettability for more even and consistent cell attachment.
- ▶ Ultra-Low Attachment surface plates feature a covalently bound hydrogel layer that minimizes cell attachment, protein absorption, and cellular activation.
- ▶ Corning Osteo Assay surface is an inorganic crystalline coating, creating a surface that mimics *in vivo* bone-like, for *in vitro* bone cell culture and assays.
- ▶ Sterile
- ▶ Nonpyrogenic

6-well

Cat. No.	Surface	Plate Type	Qty/Pk	Qty/Cs
3335	Corning CellBIND	Standard clear	5	50
3506	TC-treated	Standard clear	5	100
3516	TC-treated	Standard clear	1	50
3471	Ultra-Low Attachment	Standard clear with hydrogel*	1	24
3736	Not treated	Standard clear	5	100

12-well

3336	Corning CellBIND	Standard clear	5	50
3512	TC-treated	Standard clear	5	100
3513	TC-treated	Standard clear	1	50
3737	Not treated	Standard clear	5	100

24-well

3337	Corning CellBIND	Standard clear	5	50
3524	TC-treated	Standard clear	1	100
3526	TC-treated	Standard clear	1	50
3527	TC-treated	Standard clear	5	100
3473	Ultra-Low Attachment	Standard with hydrogel*	1	24
3738	Not treated	Standard clear	5	100
3987	Corning Osteo Assay	Standard clear	1	4

48-well

3338	Corning CellBIND	Standard clear	5	50
3548	TC-treated	Standard clear	1	100

*This covalently bonded hydrogel surface minimizes cell attachment, protein absorption, enzyme activation, and cellular activation. The surface is noncytotoxic, biologically inert, and nondegradable.

Well Dimensions, Expected Cell Yields, and Recommended Medium Volumes

Cell Culture Plates	Well Bottom Diameter (mm)	Single Well Only				Entire Plate		
		Approx. Growth Area (cm ²)	Average Cell Yield*	Total Well Volume (mL)	Working Volume (mL)	Approx. Growth Area (cm ²)	Average Cell Yield*	Working Volume (mL)
6-well	34.8	9.5	9.5 x 10 ⁵	16.8	1.9 - 2.9	57	5.7 x 10 ⁶	11.4 - 17.1
12-well	22.1	3.8	3.8 x 10 ⁵	6.9	0.760 - 1.14	45.6	4.56 x 10 ⁶	9.1 - 13.7
24-well	15.6	1.9	1.9 x 10 ⁵	3.4	0.380 - 0.570	45.6	4.56 x 10 ⁶	9.1 - 13.7
48-well	11	0.95	9.5 x 10 ⁴	1.6	0.19 - 0.285	45.6	38.4 x 10 ⁶	9.1 - 13.7

*Assumes an average yield of 1 x 10⁵ cells/cm² from a 100% confluent culture. Yields from many cell types can be lower than this.

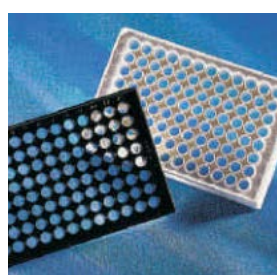
For Falcon® multiple well plates, see the **Falcon Product Selection Guide (CLS-F-PSG-001)**.

For multiple well plates with other surfaces, see the **Extracellular Matrices, Biologically Coated, and Permeable Support Inserts** section of this catalog.

Cell Culture Microplates



96-well culture microplate



96-well clear-bottom microplates

Corning® 96-well Cell Culture Microplates

- ▶ Nonreversible lids with condensation rings to reduce contamination (except where noted)
- ▶ Individual alphanumeric codes for well identification, flat bottoms (except where noted)
- ▶ Treated for optimal cell attachment (except where noted)
- ▶ Sterile
- ▶ Nonpyrogenic
- ▶ Corning CellBIND® surface is a novel cell culture treatment that increases surface wettability for more even and consistent cell attachment.
- ▶ Ultra-Low Attachment surface microplates feature a covalently bound hydrogel layer that minimizes cell attachment, protein absorption and cellular activation.
- ▶ Corning Osteo Assay surface is an inorganic crystalline coating, creating a surface that mimics *in vivo* bone, for *in vitro* bone cell assays.
- ▶ Corning Poly-D-Lysine (PDL) microplates are coated with PDL (molecular weight range of 70 to 150 kDa) giving the surface a net positive charge for better cell attachment.

Black microplates are designed to lower background in fluorescent assays and reduce cross-talk. White microplates are designed for luminescent assays. Some microplates have the Corning CellBIND surface or a PDL coating to enhance cell attachment. Corning offers many other 96-well microplate types for applications other than cell culture; for a complete listing, visit www.corning.com/lifesciences.

96-well Microplate Dimensions, Expected Cell Yields, and Recommended Medium Volume

Cell Culture Microplate	Well Diameter (Bottom, mm)	Single Well Only				Entire Microplate		
		Approx. Growth Area (cm ²)	Average Cell Yield*	Total Well Volume (mL)	Working Volume (mL)	Approx. Growth Area (cm ²)	Average Cell Yield*	Working Volume (mL)
96-well flat bottom	6.4	0.32	3.2 x 10 ⁴	0.36	0.100 - 0.200	30.7	3.07 x 10 ⁶	9.6 - 19.2
96-well round bottom	6.4	NA [†]	NA [†]	0.33	0.100 - 0.200	NA [†]	NA [†]	9.6 - 19.2
96-well V-bottom	6.4	0.38	3.8 x 10 ⁴	0.29	0.100 - 0.200	36.5	3.65 x 10 ⁶	9.6 - 19.2
96 half area	4.5	0.16	1.6 x 10 ⁴	0.19	0.050 - 0.100	15.4	1.54 x 10 ⁶	4.8 - 9.6

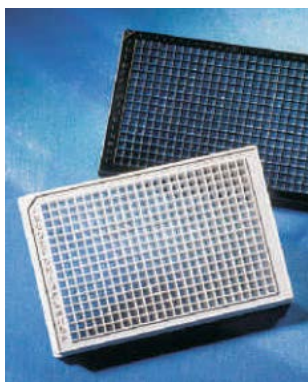
* Assumes an average yield of 1 x 10⁵ cells/cm² from a 100% confluent culture. Yields from many cell types can be lower than this.

[†] Because these wells are round, the surface area available for cell attachment is dependent on the medium volume used.

For Falcon® 96-well microplates, see the **Falcon® Product Selection Guide (CLS-F-PSG-001)**.

For 96-well microplates, see the **Microplates** section of this catalog or the **Microplates Product Selection Guide (CLS-C-DL-MP-014)**.

For 96-well microplates with other surfaces, see the **Extracellular Matrices, Biologically Coated, and Permeable Support Inserts** section of this catalog.



Corning® 384-well Cell Culture Microplates

- ▶ Flat bottoms and lids
- ▶ Low volume microplates have only a 50 µL total well volume, with recommended working volume of 5 to 40 µL
- ▶ Treated for optimal cell attachment
- ▶ Sterile
- ▶ Nonpyrogenic

Black microplates are designed to lower background in fluorescent assays and reduce cross-talk. White microplates are designed for luminescent assays. Some microplates have the Corning CellBIND® surface or a Poly-D-Lysine coating to enhance cell attachment. Corning offers many other 384-well microplate types for applications other than cell culture. For a complete listing, visit www.corning.com/lifesciences.

384-well Microplate Dimensions, Expected Cell Yields, and Recommended Medium Volumes

Cell Culture Microplate	Well Bottom Diameter (mm)	Single Well Only				Entire Microplate		
		Approx. Growth Area (cm ²)	Average Cell Yield*	Total Well Volume (mL)	Working Volume (mL)	Approx. Growth Area (cm ²)	Average Cell Yield*	Working Volume (mL)
Standard 384-well	2.7 x 2.7 [†]	0.056	5.6 x 10 ³	0.125	0.025 - 0.050	21.5	2.15 x 10 ⁶	9.6 - 19.2
Low Volume 384-well	2.0	0.031	3.1 x 10 ³	0.050	0.005 - 0.040	12.0	1.2 x 10 ⁶	1.9 - 15.3

*Assumes an average yield of 1 x 10⁵ cells/cm² from a 100% confluent culture. Yields from many cell types can be lower than this.

[†]These wells are square.

Corning 1536-well Cell Culture Microplates

- ▶ Superior performance compared to competitor microplates: lower CV values, higher signal-to-noise ratios, and lower background fluorescence
- ▶ Compatible with bar coding, standard readers and automation
- ▶ Recommended working volume of up to 8 µL
- ▶ Treated for optimal cell attachment
- ▶ Flat bottoms and lids
- ▶ Sterile
- ▶ Nonpyrogenic

Black microplates are designed to lower background in fluorescent assays and reduce cross-talk. White microplates are designed for luminescent assays. Corning offers other 1536-well microplate types for applications other than cell culture. For a complete listing, visit www.corning.com/lifesciences.

Well Dimensions, Expected Cell Yields, and Recommended Medium Volumes

Cell Culture Microplate	Well Bottom Diameter (mm)	Single Well Only				Entire Microplate		
		Approx. Growth Area (cm ²)	Average Cell Yield*	Total Well Volume (mL)	Working Volume (mL)	Approx. Growth Area (cm ²)	Average Cell Yield*	Working Volume (mL)
1536-well Clear Flat Bottom	1.63 x 1.63	0.025	2.5 x 10 ³	12.5	5 - 8	38.3	3.8 x 10 ⁶	7.7 - 15.4
1536-well Solid Flat Bottom	1.53 x 1.53	0.023	2.3 x 10 ³	12.5	5 - 8	35.3	3.5 x 10 ⁶	7.7 - 15.4

*Assumes an average yield of 1 x 10⁵ cells/cm² from a 100% confluent culture. Yields from many cell types can be lower than this.

For Falcon® 384- and 1536-well microplates, see the **Falcon Product Selection Guide** (CLS-F-PSG-001).

For 384- and 1536-well microplates, see the **Microplates** section of this catalog or the **Microplates Product Selection Guide** (CLS-C-DL-MP-014).

For 384- and 1536-well microplates with other surfaces, see the **Extracellular Matrices, Biologically Coated, and Permeable Support Inserts** section of this catalog.