

CORNING	Life Sciences	Document Number: LSR00181	Rev.: 4
Description (Class): Customer Technical Data Sheet – 96 Well Microplates – Falcon®, Corning® PureCoat™ and Corning BioCoat™			Page: 1 of 2

Applications:

96 well Falcon, Corning BioCoat and Corning PureCoat microplates are used for the growth and study of cells in monolayer culture.

Falcon features tissue culture-treated surface produced using vacuum gas plasma treatment. This permanent modification of the growth surface incorporates negatively charged functional groups that create a hydrophilic (wetable) surface for cell attachment. The highly controlled vacuum gas plasma treatment creates a consistent well-to-well and plate-to-plate growth surface.

Corning BioCoat features biological coatings of highly purified extracellular matrix (ECM) proteins for the cell culture of more complex cell models, to include transformed cell lines, transfected cells, as well as a variety of primary and stem cells.

Corning PureCoat features a chemically-defined and synthetic surface appropriate for a broad range of cell types (primary cells and transformed cell lines) and applications, especially those requiring serum-free or serum-reduced culture environment. Corning PureCoat Amine has a positive charge.

Features:

- Best in class cell adhesion for various applications and cell types with established surfaces (Falcon tissue culture-treated and Corning BioCoat biological coatings) and innovative new synthetic surface chemistries (Corning PureCoat).
- Controlled cell proliferation and differentiation by biological surfaces such as extracellular matrix coatings
- Superior consistency with well-to-well CV values $\leq 10\%$ (intra-plate and inter-plate)
- Optically clear bottom ideal for producing superior image quality
- Minimized cross talk well-to-well for superior data points
- Stackable design for enhanced stability
- Lid design allows for optimal gas exchange with lowest possible evaporation and no cross contamination
- Alphanumeric well coding
- Compatible with automation systems (meets ANSI/SBS standards)
- Bar-coding available on request

Restrictions:

- In general, for use with aqueous reagents used for tissue culture.
- Refer to "Thermoplastics Properties Chart", available at:
<https://www.corning.com/catalog/clsd/documents/compatibility-guides/CLS-DL-AN-226.pdf>

Sterility:

- Falcon: Gamma Irradiated
- Corning BioCoat: Tested and found negative for bacteria, fungi and microplasma
- Corning PureCoat: Sterile SAL 10^{-6} by gamma radiation

Regulatory Compliance:

Falcon products are manufactured under the current ISO 13485 and the current FDA Quality System Regulation 21 CFR Section 820.

Note: Corning BioCoat is manufactured under ISO 9001.

Warranty/Disclaimer: Unless otherwise specified, all products are For Research Use Only. Not intended for use in diagnostic or therapeutic procedures.

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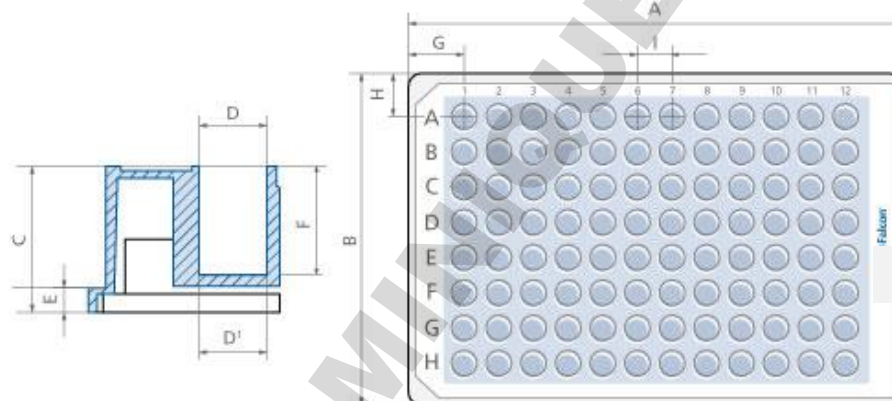
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Material: Polystyrene Basic Key Dimensions

Product					A	B	C	D	D ¹	E	F	G	H	I						
Falcon TC Cat. No.	Falcon Untreated Cat. No.	Falcon Compound Storage Cat. No.	BioCoat Cat. No.	PureCoat Cat. No.	Plate bottom length	Plate bottom width	Plate height	Well top diameter	Well bottom diameter	Flange	Well depth	Left edge to A1 center	Top edge to A1 center	Well center to center	Bottom thickness	Well Bottom shape	Total volume	Working volume	Growth area	Upper well shape
353072, 353916, 353936			354407, 354429, 354461, 354516, 354607, 356407		127.63	85.11	14.30	6.85	6.35	6.10	10.76	14.37	11.34	8.99	*	Flat	370 µl	40-275 µl	31.60 mm ²	Round
353075	351172		354409, 354410, 354596, 354657		127.48	85.52	14.30	6.85	6.35	6.10	10.76	14.40	11.42	8.98	*	Flat	370 µl	40-275 µl	31.60 mm ²	Round
353296			354419, 354620, 356519, 356620		127.49	85.45	14.25	6.73	5.68	6.10	10.59	14.38	11.39	8.99	*	Flat	300 µl	50-200 µl	25.40 mm ²	Round
			354650, 354651, 356650, 356651		127.72	85.17	14.66	6.35	6.17	6.00	11.50	14.42	11.19	*	880 µm	Flat	340 µl	100-250 µl	30.29 mm ²	Round
			354640, 354649, 356640, 356649	354717, 356717	127.60	85.60	14.53	6.35	6.17	14.53	11.50	14.40	11.23	9.01	880 µm	Flat	340 µl	100-250 µl	30.29 mm ²	Round
353376					127.76	85.48	14.40	6.96	6.58	2.50	10.90	14.38	11.24	9.00	*	Flat	392 µl	25-340 µl	34.00 mm ²	Round
353077, 353227	351177, 353910				127.76	85.59	14.30	6.85	6.35	6.10	10.59	14.38	11.39	8.99	*	Round	320 µl	50-250 µl	*	Round
353219, 353377					127.76	85.48	14.40	6.96	6.58	2.50	10.90	14.38	11.24	9.00	190 µm	Flat	392 µl	25-340 µl	34.00 mm ²	Round
		351190			127.48	85.56	14.35	6.75	6.45	2.49	11.86	14.23	11.33	8.99	*	Round	340 µl	60-200 µl aqueous 60-160 µl DMSO	*	Round
		353263			127.48	85.59	14.61	6.96	*	2.50	10.90	14.24	11.35	9.00	190 µm	Conica	340 µl	100-250 µl	*	Round



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