 BD Biosciences Discovery Labware	QDMS Div. Code: 114	Document Number: LSR00181	Rev.: 1.0
Document Type: BD DMC-Customer Specification	Manufacturing Site: Billerica	Reference Number: N/A	Page: 1 of 3
Description (Class): 96-well microplates BD Falcon, BD PureCoat and BD BioCoat			

Applications:

96-well BD Falcon, BD BioCoat and BD PureCoat micro plates are used for the growth and study of cells in monolayer culture.

BD 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.

BD BioCoat features a 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.

BD 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. BD PureCoat Amine has a positive charge.

Features:

- Best in class cell adhesion for various applications and cell types with established surfaces (BD Falcon™ tissue culture-treated and BD BioCoat™ biological coatings) and innovative new synthetic surface chemistries (BD PureCoat™).
- Controlled cell proliferation and differentiation by biological surfaces such as extracellular matrix coatings
- Superior consistency with well-to-well CV values ≤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

Sterility:

- BD Falcon: Gamma Irradiated
- BD BioCoat: Tested and found negative for bacteria, fungi and microplasma
- BD PureCoat: Sterile SAL 10⁻⁶ by gamma radiation

Restrictions:

- In general, for use with aqueous reagents used for tissue culture.
- Refer to "Thermoplastics Properties Chart," pages 28 and 29 in the BD Discovery Labware Catalog.

Material: Polystyrene



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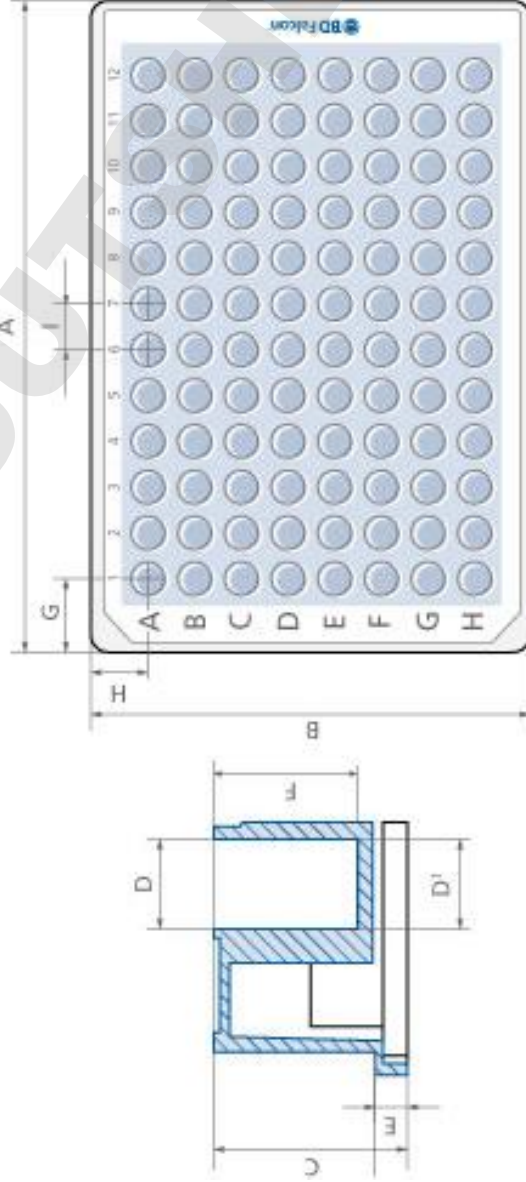
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Description (Class):

96-well microplates BD Falcon, BD PureCoat and BD BioCoat

		Basic key dimensions																	
BD Falcon TC Cat. No.	BD Falcon Untreated Cat. No.	BD Falcon Compound Storage Cat. No.	BD BioCoat Cat. No.	BD PureCoat Cat. No.	A Plate bottom length	B Plate bottom width	C Plate height	D Well top diameter	D Well bottom diameter	E Flange	F Well depth	G Left edge to A1 center	H Top edge to A1 center	I Well center to center	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, 354519, 354620, 356519, 356620,		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			354650, 354651, 356650, 356651,		127.72	85.17	14.86	6.35	6.17	6.00	11.50	14.42	11.19	*	Flat	300 µl	50-200 µl	25.40 mm ²	Round
353376			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	Flat	340 µl	100-250 µl	30.29 mm ²	Round
353077, 353227, 353219, 353377					127.76	85.48	14.40	6.96	6.58	2.50	10.90	14.38	11.24	9.00	Flat	392 µl	105-340 µl	34.00 mm ²	Round
					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
					127.48	85.56	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
		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	Conical	340 µl	100-250 µl	*	Round



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Revision History				
Rev.	Revision Date	Description of Change	ECO No.	Revised By
1.0	11/04/11	Initial Release	ECO158409	M-C. Lachance