

BD Biosciences Surface Selection Guide

The Right Surface for Every Cell

With more than 50 years of research heritage, BD Biosciences - Discovery Labware is the leading provider of cell culture surfaces, including BD BioCoat™, BD Falcon™, BD Primaria™, and BD PureCoat™, and environments that are proven to facilitate, accelerate, and enhance discovery. BD Biosciences offers a broad portfolio of cultureware vessels with surfaces specifically designed and characterized to meet the needs of a wide range of applications. Whether it's an assay for the search for new drug therapeutics or for use in the culture of cells for basic and applied research, BD Biosciences has the right surface for every cell.



Coverslip



CultureSlide



Dish



Flask



Insert



Plate

Surface Types

BD Falcon (Tissue Culture-treated)

The BD Falcon Tissue Culture (TC) surface is a permanently hydrophilic surface which is produced via a unique vacuum-gas plasma process in a strictly controlled, closed environment, ensuring a highly consistent culture surface which is suitable for a broad range of cell types.

A non-treated surface is also available for suspension or non-adherent cell culture and may also be used to study cell-cell or cell-protein interactions in an in vitro system.

BD Primaria (Tissue Culture-treated)

BD Primaria supports neuronal cells, primary cells, endothelial, and tumor cells which may have difficulty attaching to or differentiate poorly on traditional TC surfaces. This surface features a unique mixture of negative, positive, and nitrogen containing functional groups on the polystyrene. The surface consistency of each lot is confirmed by electron spectroscopy chemical analysis (ESCA).

BD BioCoat (Biological ECM-coated)

BD BioCoat cultureware surfaces have been further enhanced (versus TC) with biological coatings of highly purified extracellular matrix (ECM) proteins for the cell culture of more complex cell models, to include transformed cell lines, transfectants of established cell lines, as well as primary and stem-derived cells.

BD PureCoat (Defined Synthetic)

BD PureCoat cultureware has been pre-coated with chemically-defined (synthetic) attachment factors to provide an enhanced surface which is appropriate for a broad range of cell types (primary cells and transformed cell lines) and applications, but is ideal for applications requiring a more defined cell culture environment (serum-free or low serum-containing cultures).

Discover the right surface for your cells by browsing our diverse offering of surfaces and vessels at bdbiosciences.com/surfaces

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	BD Falcon™ BD Primaria™			BD BioCoat™											BD PureCoat™	
	Tissue Culture	Non-Tissue Culture	BD Primaria	Collagen I	Collagen IV	Gelatin	Poly-D-Lysine	Poly-L-Lysine	Fibronectin	Laminin	BD Matrigel™ maxtrix	Poly-D-Lysine/Laminin	Poly-L-Ornithine/Laminin	Laminin/Fibronectin	Amine	Carboxyl
Plates																
6-well																
12-well																
24-well																
48-well																
96-well clear																
96-well black/clear																
96-well white/clear																
96-well white																
384-well clear																
384-well black/clear																
384-well white/clear																
384-well white																
1536-well black/clear																
Dishes																
35 mm																
60 mm																
100 mm																
150 mm																
Flasks																
12.5 cm ²																
25 cm ²																
75 cm ²																
150 cm ²																
175 cm ²																
Coverslips																
12 mm round																
22 mm round																
CultureSlides																
1-well																
2-well																
4-well																
8-well																

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