


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

**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/cls/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.

For a listing of trademarks, visit [www.corning.com/clstrademarks](http://www.corning.com/clstrademarks). All other trademarks are the property of their respective owners.  
© 2013-2018 Corning Incorporated. All rights reserved.

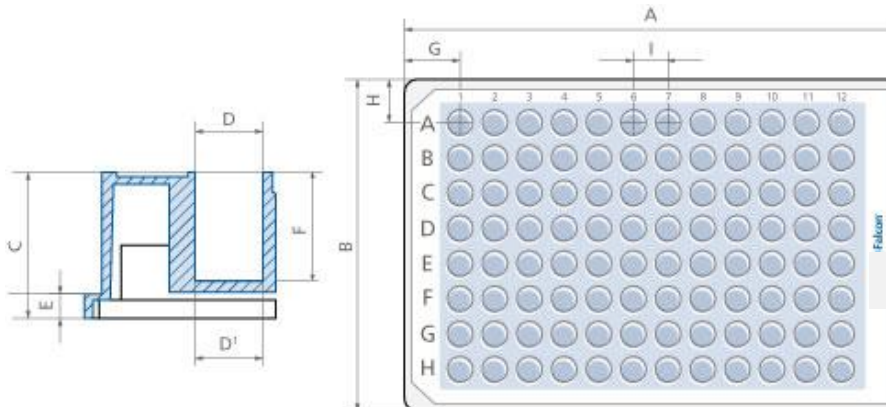
Description (Class):

**Customer Technical Data Sheet – 96 Well Microplates – Falcon®, Corning® PureCoat™ and Corning BioCoat™**

Page:  
**2 of 2**

**Material: Polystyrene Basic Key Dimensions**

| Product                |                           |                                  |  |                   | A                   | B                  | C            | D                 | D <sup>1</sup>       | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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<br>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            |



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

For a listing of trademarks, visit [www.corning.com/clstrademarks](http://www.corning.com/clstrademarks). All other trademarks are the property of their respective owners.

© 2013-2018 Corning Incorporated. All rights reserved.