

<b>CORNING</b>	<b>Life Sciences</b>	Document Number: <b>LSR00003</b>	Rev.: <b>8</b>
Description (Class): <b>Customer Technical Data Sheet – Multiwell TC Plates – 24-well</b>			Page: <b>1 of 3</b>

### Applications:

TC plates are used for the growth and study of cells in monolayer culture. A consistent Tissue Culture (TC) surface chemistry is 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® Primaria™ supports neuronal cells, primary cells, endothelial, and tumor cells which may exhibit suboptimal attachment or differentiation on traditional TC surfaces. This surface has a unique mixture of negatively charged oxygen-containing and positively charged nitrogen-containing functional groups on the polystyrene surface. The surface consistency of each lot is confirmed by electron spectroscopy chemical analysis (ESCA).

Corning BioCoat™ surfaces have been further enhanced (versus TC) with biological coatings of highly purified extracellular matrix (ECM) proteins for the culture of more complex cell models, including transformed cell lines, transfected cells, primary cells, and stem cells. These surfaces are designed to mimic *in vivo* environments and maximize cellular activities such as attachment, growth, and differentiation.

Corning PureCoat™ amine and carboxyl surfaces are for the culture of primary, transfected, transformed, and fastidious cells in standard, serum-free, and serum-reduced conditions. Both surfaces enable better attachment, increased proliferation, and enhanced post-thaw recovery, enabling you to improve your cell yield.

### Features:

- Available in individual recyclable PET tray or bulk packaged bags
- Deep wells hold 0.8 to 1.0 mL media
- Low evaporation lid
  - Unique labyrinth air passage system that provides a tortuous path for gas exchange to minimize the risk of contamination and evaporation.
- Individual condensation rings above each well to prevent cross-contamination.
- Large writing patch
- Alpha-numeric well Identification; individual well identification
- One-way lid to reduce cross-contamination
- Peel-open, medical style package assuring sterile product presentation.
- Plates with different well sizes can be stacked together for efficient utilization of incubator space.
- Serrated gripping panels
- Contact Product Manager for special packaging.

### Restrictions:

- In general, for use with aqueous reagents used for tissue culture.

### STERILITY:

Products are gamma irradiated.

### REGULATORY COMPLIANCE:

Falcon®, Primaria, and PureCoat products are manufactured under the current ISO 13485 and the current FDA Quality System Regulation 21 CFR Section 820. Corning BioCoat products are manufactured under the current ISO 9001 and the current FDA Quality System Regulation 21 CFR Section 820

Description (Class):  
**Customer Technical Data Sheet – Multiwell TC Plates – 24-well**

Page:  
**2 of 3**

**Material:**

- Polystyrene (crystal grade)

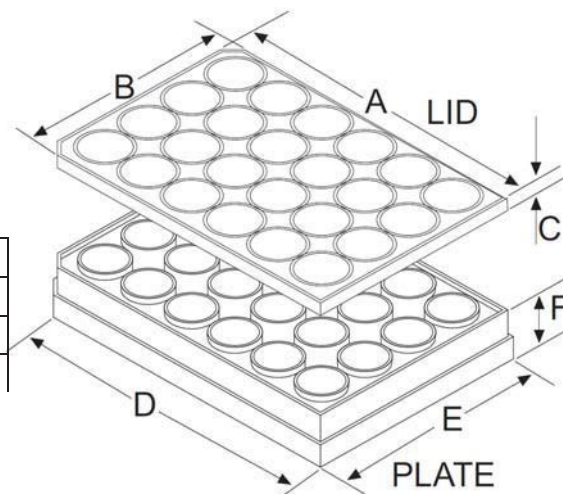
Cat. No.	Type	Packaging
354408	Corning® BioCoat™ Collagen I	5/cs
356408	Corning BioCoat Collagen I	50/cs
354430	Corning BioCoat Collagen IV	5/cs
354411	Corning BioCoat Fibronectin	5/cs
354412	Corning BioCoat Laminin	5/cs
354414	Corning BioCoat Poly-D-Lysine	5/cs
356414	Corning BioCoat Poly-D-Lysine	50/cs
354619	Corning BioCoat Poly-D-Lysine/Laminin	5/cs
354659	Corning BioCoat Poly-L-Ornithine/Laminin	5/cs
354433	Corning BioCoat Matrigel® Matrix	2/cs
354605	Corning BioCoat Matrigel Matrix Thin Layer	5/cs

Cat. No.	Type	Packaging
353047	TC surface	50/cs
353226	TC surface	36/cs
353935	TC surface	60/cs
353847	Corning Primaria™	50/cs
351147	Non-treated	50/cs
354723	Corning PureCoat™, Amine	5/cs
356723	Corning PureCoat, Amine	50/cs
354775	Corning PureCoat, Carboxyl	5/cs
356775	Corning PureCoat, Carboxyl	50/cs
353504	Notched TC plate, used with inserts	50/cs

**Dimensions = XXX mm (XXX inches)**

LID:		Notched 353504	All Other Cat. Nos.
Length	A	127.23 (5.009)	127.25 (5.010)
Width	B	85.14 (3.352)	85.14 (3.352)
Height	C	10.08 (.397)	10.08 (.397)

PLATE:		Notched 353504	All Other Cat. Nos.
Length	D	127.63 (5.025)	127.76 (5.030)
Width	E	85.47 (3.365)	85.47 (3.365)
Height	F	20.19 (.795)	20.19 (.795)



Markings: Alpha-Numerical  
Ht. w/lid on = 21.43 (.844)

Description (Class):  
**Customer Technical Data Sheet – Multiwell TC Plates – 24-well**

Page:  
**3 of 3**

<b>WELL:</b>	<b>Notched 353504</b>	<b>All Other Cat. Nos.</b>
Top Int. diameter	16.30 (.642)	16.30 (.642)
Bot. Int. diameter	15.49 (.610)	15.57 (.613)
Depth	17.98 (.700)	17.98 (.708)
Bottom area (growth)	1.883 sq. cm (.292 sq. in.)	1.90 sq. cm, (.2945 sq. in. per well)
Center to center	19.30 (.760)	19.30 (.760)
Bottom thickness	1.40 (.047)	1.19 (.047)
Volume of media/well	0.8 to 1.0 mL	0.8 to 1.0 ml
Volume of Trypsin/well	0.08 to 0.10 mL	0.08 to 0.10 ml