

<b>CORNING</b>	<b>Life Sciences</b>	Document Number: <b>LSR00143</b>	Rev.: <b>3</b>
<b>Description (Class): Reference, Customer Technical Data Sheet Falcon® HTS 96-Multiwell Insert Systems</b>			Page: <b>1 of 2</b>

#### APPLICATIONS:

- A single-use, automation-friendly platform used for membrane-based cellular assays.
- This system consists of a 96-Multiwell Insert Plate, Lid, and Feeder Tray or Angled Bottom Plate, and is compatible with the high throughput automation systems commonly used in Drug Discovery testing.
- The Multiwell Insert System will support the same cell-based assays currently supported by the individual Falcon or Corning® BioCoat™ cell culture inserts.

#### FEATURES:

- Compatible with Falcon 96 square well, angled bottom plate and lid (Cat. No. 353925)
- Compatible with common drug screening laboratory robot arms / grippers / manipulators
- Allows multiple sampling from above and below membrane with common automated fluid handler pipet tips without cross contamination of samples
- Allows even coating of membrane surface with matrix proteins
- Provides sterile environment for conducting assays
- Provides adequate gas exchange to maintain pH for conducting assays
- Free of cytotoxic components
- Upper chamber of insert plate holds from 30-70 µL of media without wicking
- Lower chamber (96-well plate) holds from 250-275 µL of media without wicking
- Feeder Tray holds from 25-30 mL of media without wicking
- Plane of membrane lies within working distance of commonly used microscopes
- Alpha-numeric well identification

#### STERILITY:

Gamma-irradiated

#### REGULATORY COMPLIANCE:

Products are manufactured under the current ISO 9001.

#### RESTRICTIONS:

- Product is for Research Use Only. Not for use in diagnostic or therapeutic procedures
- In general, for use with aqueous reagents used for tissue culture
- Refer to "Thermoplastics Properties Chart," available at:  
[http://catalog2.corning.com/Lifesciences/media/pdf/an\\_DL\\_226\\_Falcon\\_ThermoPlastics\\_Broch.pdf](http://catalog2.corning.com/Lifesciences/media/pdf/an_DL_226_Falcon_ThermoPlastics_Broch.pdf)

© 2015 Corning Incorporated. All Rights Reserved.

For a listing of trademarks, visit [www.corning.com/lifesciences/trademarks](http://www.corning.com/lifesciences/trademarks)

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

<b>CORNING</b>	<b>Life Sciences</b>	Document Number: <b>LSR00143</b>	Rev.: <b>3</b>
Description (Class): Reference, Customer Technical Data Sheet Falcon® HTS 96-Multiwell Insert Systems			Page: 2 of 2

**RELATED CATALOG NUMBERS:**

351130 HTS 96-Multiwell Insert System	1 Micron PET	1/Pack
351131 HTS 96-Multiwell Insert System	1 Micron PET	5/Pack

**LID:**

Material: PS (Polystyrene)  
 Length: **A** = 127.4 mm (5.017 inches)  
 Width: **B** = 85.1 mm (3.352 inches)  
 Height: **C** = 7.4 mm (0.290 inches)

**INSERT PLATE HOUSING:**

Material: PET (Polyethylene Terephthalate)  
 Length: **D** = 125.6 mm (4.945 inches)  
 Width: **E** = 83.1 mm (3.270 inches)  
 Height: **F** = 9.3 mm (0.365 inches)  
 Ht. w/Lid only: 13.7 mm (0.540 inches)  
 Ht. w/Lid & Tray: 19.1 mm (0.750 inches)

**Insert Wells:**

Top Interior Diameter: 5.7 mm (0.226 inches)  
 Bot. Interior (Membrane) Dia: 3.2 mm (0.125 inches)  
 Bot. Exterior Diameter: 5.2 mm (0.206 inches)  
 Total Well Depth: 10.4 mm (0.410 inches)  
 Membrane Dist. from Tray: 3.0 mm (0.120 inches)  
 Well to Well Distance: 9.0 mm (0.354 inches)  
 Sampling Port Diameter: 2.8 mm (0.110 inches)

**FEEDER TRAY:**

Material: PS (Polystyrene)  
 Length: **G** = 127.8 mm (5.030 inches)  
 Width: **H** = 85.5 mm (3.365 inches)  
 Height: **J** = 14.4 mm (0.565 inches)  
 Height w/Lid only: 16.6 mm (0.655 inches)

