	<b>Life Sciences</b>	Document Number: <b>LSR00080</b>	Rev.: <b>4</b>
<b>Description (Class):</b> <b>Reference, Customer Technical Data Sheet</b> <b>Falcon® HTS 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 24-well Multiwell Insert Plate, Lid, and Feeder Tray, 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 24-well Multiwell plates
- Compatible with common drug screening laboratory robot arms / grippers / manipulators
- Compatible with Endohm meter
- 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 up to 500 µL of media without wicking
- Lower chamber (24 well plate) holds up to 1400 µL of media without wicking
- Feeder Tray holds up to 35 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)

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#### RELATED CATALOG NUMBERS:

354801 Corning® BioCoat™ HTS Caco-2 Assay System		1/pack
354802 Corning BioCoat HTS Caco-2 Assay System		5/pack
354803 Corning BioCoat Fibrillar Collagen 24-Multiwell Insert Plate		1/pack
354804 Corning BioCoat Fibrillar Collagen 24-Multiwell Insert Plate		5/pack
351180 Falcon® 24-Multiwell Insert System	1 Micron PET	1/pack
351181 Falcon 24-Multiwell Insert System	1 Micron PET	5/pack
351182 Falcon 24-Multiwell Insert System	3 Micron PET	1/pack
351183 Falcon 24-Multiwell Insert System	3 Micron PET	5/pack
351184 HTS Falcon 24-Multiwell Insert System	8 Micron PET	1/pack
351185 Falcon 24-Multiwell Insert System	8 Micron PET	5/pack
351186 Falcon 24-well Feeder Tray and Lid		5/pack

#### LID:

Material: PET (Polyethylene Terephthalate)  
 Length: **A** = 129.57 mm (5.101 inches)  
 Width: **B** = 86.82 mm (3.418 inches)  
 Height: **C** = 8.20 mm (0.323 inches)

#### INSERT PLATE HOUSING:

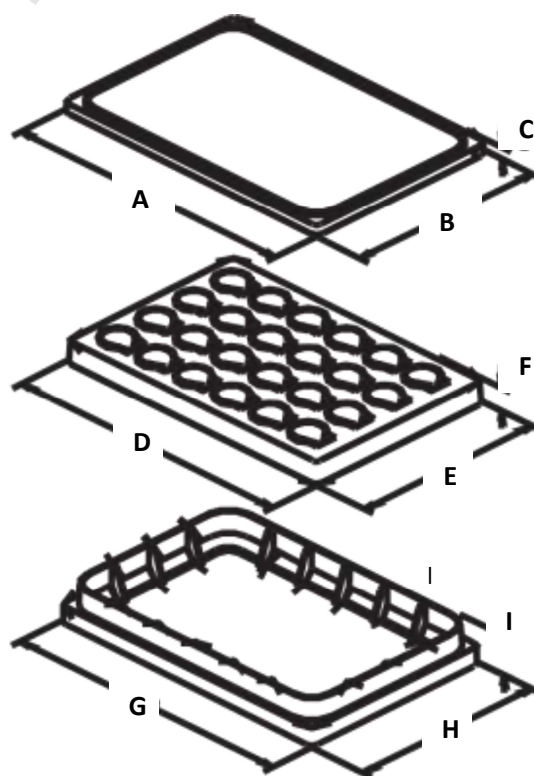
Material: PET (Polyethylene Terephthalate)  
 Length: **D** = 127.61 mm (5.024 inches)  
 Width: **E** = 85.01 mm (3.347 inches)  
 Height: **F** = 17.96 mm (0.707 inches)  
 Height, w/Lid only: 20.17 mm (0.794 inches)  
 Height, w/Lid & Tray: 24.10 mm (0.949 inches)

#### Insert Wells:

Top Interior Diameter: 12.50 mm (0.492 inches)  
 Bottom Interior (Membrane) Dia: 6.50 mm (0.256 inches)  
 Bottom Exterior Diameter: 10.00 mm (0.394 inches)  
 Total Well Depth: 17.96 mm (0.707 inches)  
 Well Depth below Cutout: 11.96 mm (0.471 inches)  
 Membrane Distance from Tray: 1.4 mm (0.06 inches)  
 Well to Well Distance: 19.30 mm (0.760 inches)  
 Sampling Port Length: 9.5 mm (0.37 inches)  
 Sampling Port Width: 4.0 mm (0.16 inches)

#### FEEDER TRAY:

Material: PS (Polystyrene)  
 Length: **G** = 127.86 mm (5.034 inches)  
 Width: **H** = 85.47 mm (3.365 inches)  
 Height: **I** = 19.94 mm (0.785 inches)  
 Height w/Lid only: 22.15 mm (0.872 inches)



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