

Corning® BioCoat™ HTS Caco-2 Assay System

CORNING

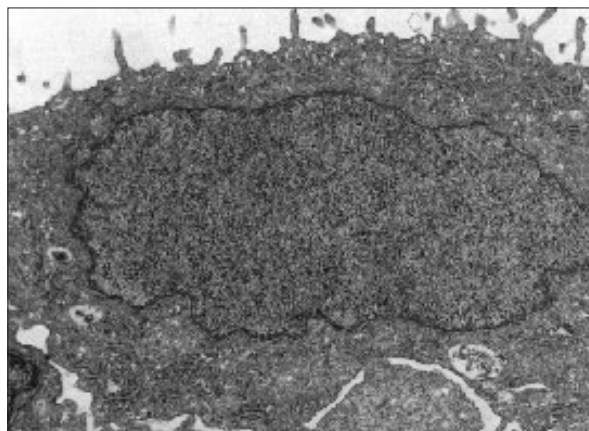
Why wait weeks? Have your Caco-2 assays completely done in five days from cell seeding to transport.

Stop wasting time automating 21-day cultures. Discover the advantages of the robot-compatible Corning BioCoat HTS Caco-2 Assay System an integrated, automation friendly cell environment designed to promote the rapid differentiation of Caco-2 cells *in vitro*. The specialized media formulations included with the system produce a differentiated monolayer in as little as three days. Major pharmaceutical companies worldwide rely on the Corning BioCoat HTS Caco-2 Assay System for rapidly rank ordering compounds for oral bioavailability and for P-gp screening.

Benefits of the Corning BioCoat HTS Caco-2 Assay System include:

- ▶ **Saves time over conventional 21-day assays**
Exclusive fibrillar collagen-coated inserts used with the included media speeds up differentiation of Caco-2 cells from 21 to 5 days.
- ▶ **Easy to set up**
The Corning BioCoat HTS Caco-2 Assay System is based on the industry standard Falcon® Multiwell Insert platform – fully field validated with most common fluid handlers.
- ▶ **Greater reliability**
The entire system is QC-tested in a Caco-2 screening assay so you can use the system with confidence.
- ▶ **Very flexible**
Use the five-day protocol provided for enhanced passive and/or active transport studies with P-gp.
- ▶ **Dependable technical support**
Corning has over ten years of experience with five-day Caco-2 screening – so experienced help is just a phone call away. We also offer training and contract screening services if you need extra assistance.





Transmission Electron Micrograph (TEM) of Caco-2 cells cultured five days using the Corning BioCoat HTS Caco-2 Assay System. Several morphological markers of Caco-2 cell cultured differentiation are visible. Microvilli, desmosomes (indicative of tight junction formation), and cellular interdigitation are readily apparent. In addition, the Caco-2 cells have formed a complete monolayer on the Corning BioCoat Fibrillar Collagen matrix demonstrating their suitability for compound permeability assays.

Corning® BioCoat™ HTS Caco-2 Assay System Products Ordering Information

Description	Qty.	Cat No.
Corning BioCoat HTS Caco-2 Assay System contains: BioCoat Fibrillar Collagen 24 Multiwell Insert System plus media to perform 24 individual three-day Caco-2 assays	1	354801
Corning BioCoat HTS Caco-2 Assay Systems contains: BioCoat Fibrillar Collagen 24 Multiwell Insert System plus media to perform 120 individual three-day Caco-2 assays	5	354802
Corning BioCoat Fibrillar Collagen 24 Multiwell Insert System	1	354803
Corning BioCoat Fibrillar Collagen 24 Multiwell Insert Systems	5	354804
Corning Intestinal Differentiation Media Pack	1 pack	355058
Corning Enterocyte Differentiation Medium	2 x 250 mL	355357
Corning MITO+™ Serum Extender (5 liter equivalent)	5 mL	355006

Falcon® Cell Culture Plates

24 well, flat-bottom with lid

Description	Qty.	Cat No.
Clear	50	353047
Clear	36	353226
Clear, Ready-Stack tray	60	353935

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not for use in humans. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

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Corning acquired the BioCoat™ brand. For information, visit www.corning.com/discoverylabware.

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