

BD BioCoat™ HTS Caco-2 Assay System

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



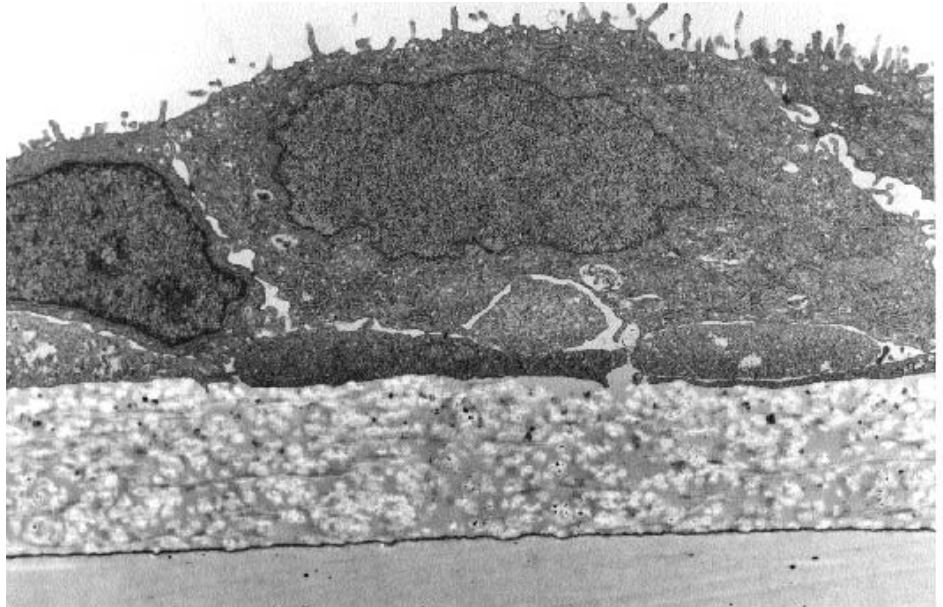
Stop wasting time automating 21-day cultures. Discover the advantages of the robot-compatible BD BioCoat™ HTS Caco-2 Assay System an integrated, automation friendly cell environment designed to promote the rapid differentiation of Caco-2 cells *in vitro*. The specialized media formulations included with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

Benefits of the BD 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 to 3 days from 21 days.
- **Easy to set up**
The BD BioCoat HTS Caco-2 Assay System is based on the industry standard BD Falcon™ Multiwell Insert platform – fully field validated with most common fluid handlers.

- **Highly productive**
The BD BioCoat HTS Caco-2 Assay System has been used by leading organizations for rapid rank ordering of oral bioavailability screenings since 1998.
- **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 three-day protocol provided for rapid study of passive transport or use an optional five-day protocol for enhanced active transport studies with PGP.
- **Dependable technical support**
BD Biosciences has ten years of experience with three-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.

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Transmission Electron Micrograph (TEM) of Caco-2 cells cultured three days using the BD 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 BD BioCoat Fibrillar Collagen matrix demonstrating their suitability for compound permeability assays.

Ordering Information

Description	Qty.	Cat. No.
BD BioCoat™ HTS Caco-2 Assay System Products		
BD BioCoat HTS Caco-2 Assay System	1	354801
contains: BD BioCoat Fibrillar Collagen 24-Multiwell Insert System plus media to perform 24 individual three-day Caco-2 assays		
BD BioCoat HTS Caco-2 Assay Systems	5	354802
contains: BD BioCoat Fibrillar Collagen 24-Multiwell Insert System plus media to perform 120 individual three-day Caco-2 assays		
BD BioCoat Fibrillar Collagen 24-Multiwell Insert System	1	354803
BD BioCoat Fibrillar Collagen 24-Multiwell Insert Systems	5	354804
BD™ Intestinal Differentiation Media Pack	1 pack	355058
BD Seeding Basal Medium	2x250 ml	355257
BD Enterocyte Differentiation Medium	2x250 ml	355357
BD MITO+ Serum Extender (5 liter equivalent)	5 ml	355006
BD Falcon™ Cell Culture Plates		
24-well, flat-bottom with lid		
Clear	50	353047
Clear	36	353226
Clear, Ready-Stack tray	60	353935

To place an order in the U.S., contact Customer Service at:

tel: 800.343.2035 or 978.901.7300; fax: 800.743.6200 or 978.901.7493

For technical assistance, contact Technical Service at:

tel: 800.343.2035 or 978.901.7300; fax: 800.743.6200 or 978.901.7493

To place an order outside the U.S., contact your local distributor or nearest BD Biosciences office.

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