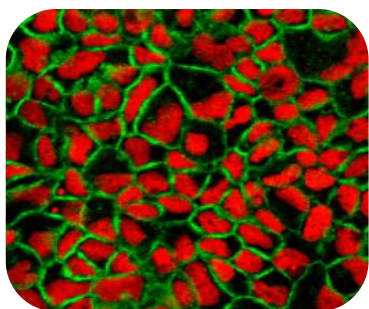
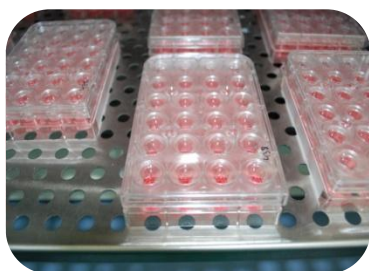
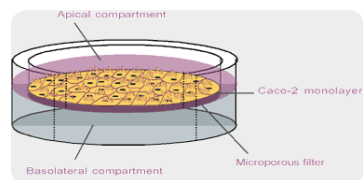


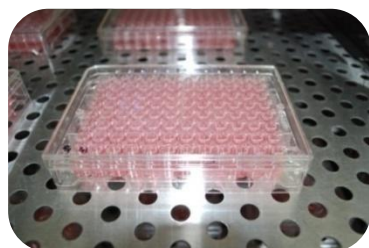
CacoReady™ is an innovative cell-based and ready-to-use kit. The kit consists of 24 and 96 insert-integrated permeable supports seeded with differentiated and polarized Caco-2 barriers. **CacoReady™** allows *in vitro* intestinal absorption evaluation of drug targets. **CacoReady™** is flexible since plates can be used up to 5 days after ideal cell barrier differentiation at day 21. **CacoReady™** is a time and cost-saving tool for early stage drug discovery and development.



Caco-2 barrier (21-days)



24-well format



96-well format

CacoReady™ Applications

- Evaluation of oral absorption efficiency, oral bioavailability and oral toxicity
- Study of mechanisms involved in oral and intestinal absorption
- Studies of Drug Transporters and Drug-Drug Interaction
- Suitable for research on new delivery systems

CacoReady™ Features

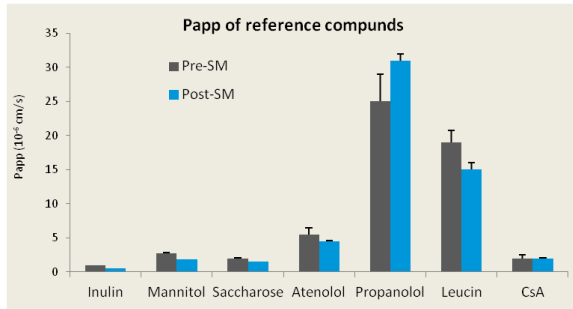
- Cell-based
- Ready-to-use
- 24 and 96-HTS insert- integrated plate format
- Exclusive solid shipping medium

CacoReady™ Benefits

- Provides 21-day cell barrier allowing reduction of in house maintenance of Caco-2 cell cultures
- High flexibility as the kit is useable up to 5 days after 21-day cell barrier differentiation
- Time saving and cost-effective
- Adaptable to automated procedures and HTS
- High reproducibility
- Easy and clean handling
- Full cell functionality after transportation
- Shipping medium easy to remove by liquefaction at 37°C

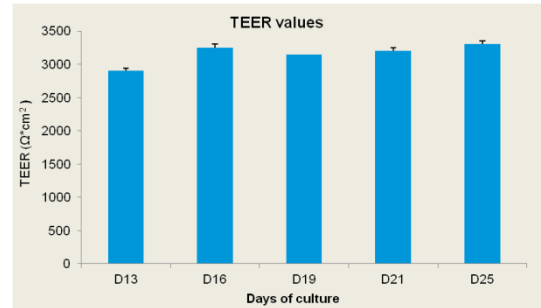
CacoReady™ Experimental data: Apparent permeability and TEER values

- **Functionality after transportation/ Validated system under quality standards**



Permeability of different reference compounds tested on CacoReady™ before and after the addition of the solid shipping medium. Results are expressed as Papp values for the apical to basal direction.

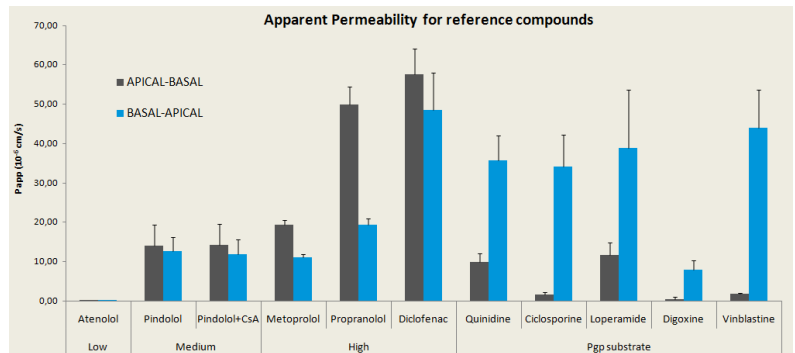
- **Stability of Caco-2 barrier**



Stability of Caco-2 barrier evaluated by TEER measurement at different days after the addition of the solid shipping medium (D16 to D25). Results show the flexibility of CacoReady™ since the kit is useable up to 5 days after the 21-day barrier.

- **High reproducibility among batches**

Figure shows the reproducibility of CacoReady™ kit among different batches. Permeability of different referent compounds tested on CacoReady™ kit. Results are expressed as the average of Papp values performed in 13 independent experiments.



FOUR SIMPLE STEPS OF CacoReady™

RECEIVE

Ready-to-use Caco-2 cell barrier

LIQUIFY

Liquefying of solid shipping medium at 37°C

APPLY

Incubation with test compound

ASSAY

Assessment of permeability /transport end point

Formats

CacoReady™ kit provides polarized Caco-2 cells on 24 and 96-HTS insert-integrated plates.

- **CacoReady™** cell-based kit, 24 insert-integrated:
 - Costar plate, Ref. KRECE-CCR01
 - Millipore plate, Ref. KRECE-CCR03
 - Express plate, Ref. KRECE-CCR10
 - Individual-well plate, Ref. KRECE-CCR04
- **CacoReady™** cell-based kit, 96 insert-integrated:
 - Millipore plate, Ref. KRECE-CCR50