CacoReady 24-wells Intestinal Permeabiity and Drug-Transporter Interactions Experimental Data

Apparent Permeability (Papp) values and Efflux Ratios (ER) for low, medium and high permeability reference compounds and Pgp substrates. Assays were performed after exposing **CacoReady** to the shipping medium during a 4-day period and a subsequent 72-hr recovery in fresh culture medium.

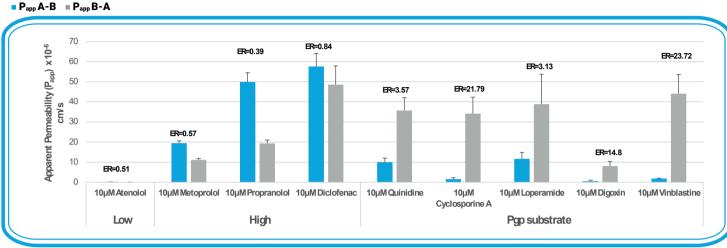
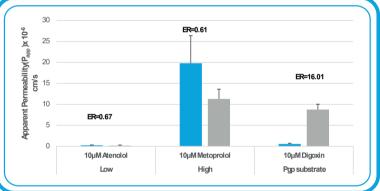


Figure 1. Reference compound's intestinal permeability.

CacoReady reproducibility among batches

Batch-to-batch variation was evaluated with low (atenolol), high (metoprolol) and Pgp (digoxin) reference compounds. *These data are the result of 3 independent experiments.*





Quality Controls

Figure 2. Reference compound's intestinal permeability (batch-to-batch variation).

MedTech ReadyCell

Transepithelial Electrical Resistance (TEER) and Lucifer Yellow Paracellular Permeability were employed to evaluate CacoReady cell barrier integrity. Assays were performed before (pre-) and after (post-) adding the shipping medium for delivery.

CacoReady 24-wells

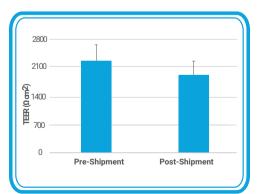


Figure 3. Changes in TEER values throughout the CacoReady manufacturing process. These data are the result of 3 different batches.

LY Permeability • LY Flux

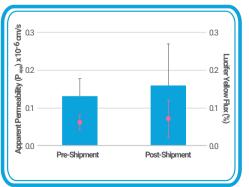


Figure 4. Lucifer Yellow Paracellular Permeability P_{ppp}) before (pre-shipment) and afer (post-shipment) adding the shipping medium. These data are the result of 3 different batches.

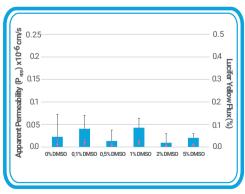


Figure 5. Effect of DMSO on barrier integrity of CacoReady cell monolayers. These data refer to a single experiment in triplicates.

C/ Baldiri Reixac, 10 08028 Barcelona www.medtechbcn.com

Caco-2 regulatory requirements are detailed in the 2020 FDA and 2012 EMA Drug Interaction Guidelines and the ICH M9 Guideline.