PreadyPort MDR1 24-wells Drug-Transporter Interactions Experimental Data

Apparent Permeability (P_{app}) values and efflux ratios (ER) for the MDR1 substrates, digoxin and quinidine, in the absence/ presence of verapamil and valspodar, two reference inhibitors. Assays were performed after exposing MDR1-overexpressing cells (**PreadyPort MDR1**) and those expressing the empty vector (**PreadyPort WT**) to the shipping medium during a 4-day period and a subsequent 72-hr recovery in fresh culture medium.
These data are the result of 3 independent experiments.

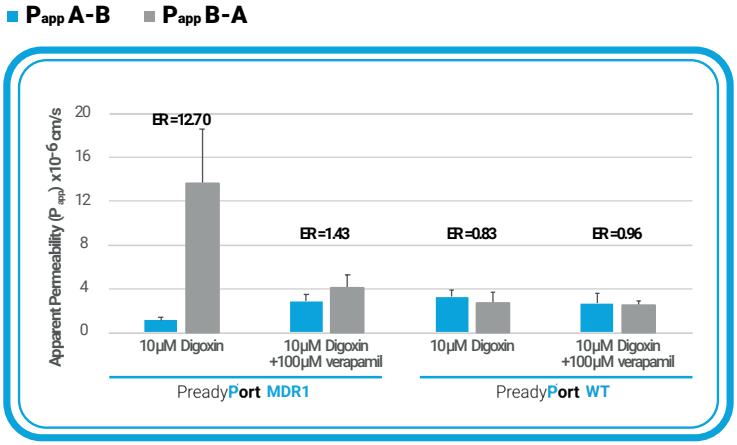

Figure 1. *Digoxin secretory transport.*

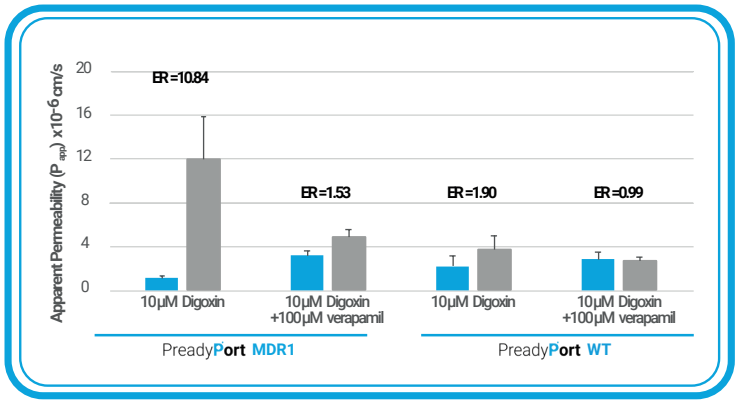

Figure 2. *Digoxin secretory transport (batch-to-batch variation).*

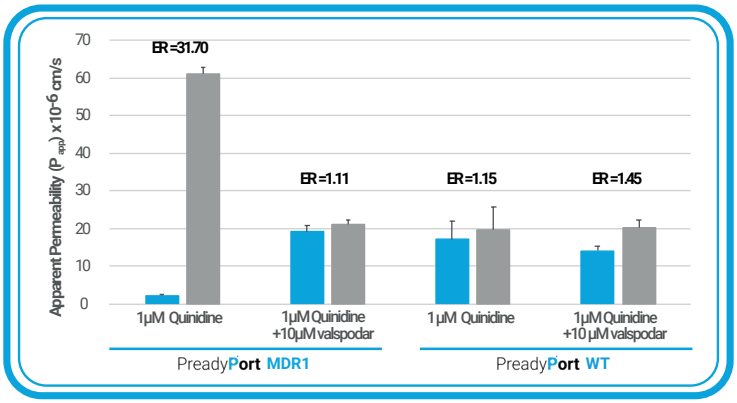

Figure 3. *Quinidine secretory transport.*

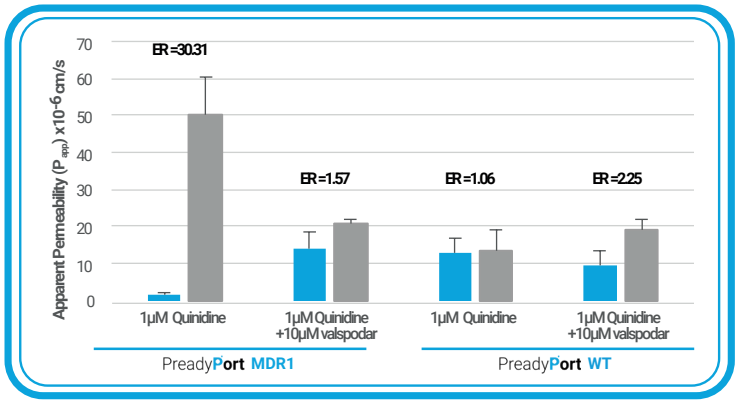

Figure 4. *Quinidine secretory transport (batch-to-batch variation).*

Quality Controls

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

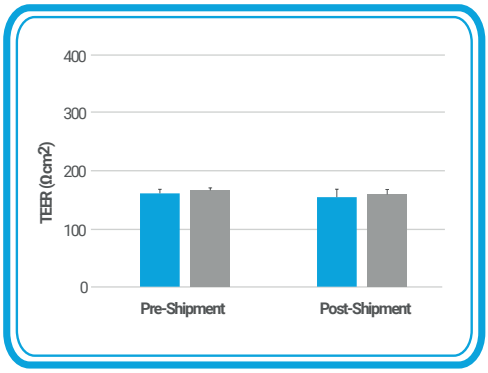

Figure 5. *Changes in TEER values throughout the PreadyPort manufacturing process. These data are the result of 3 different batches.*

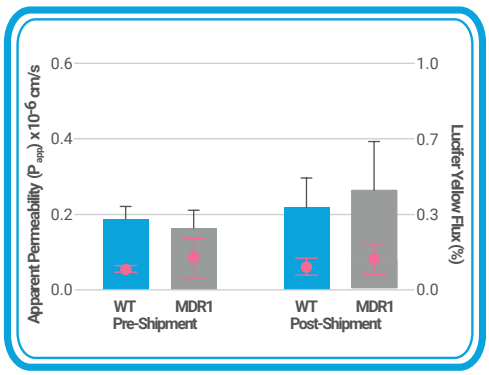

Figure 6. *Lucifer Yellow Paracellular Permeability (P_{app}) before (pre-shipment) and afer (post-shipment) adding the shipping medium. These data are the result of 3 different batches.*

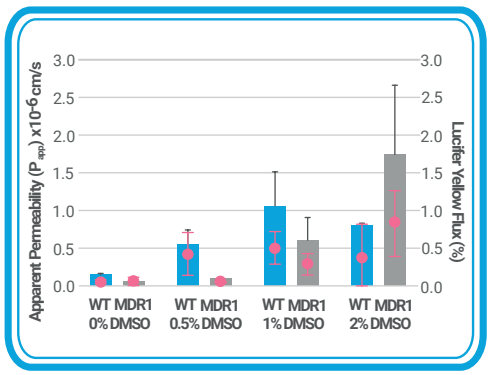

Figure 7. *Effect of DMSO on barrier integrity of PreadyPort cell monolayers. These data refer to a single experiment in triplicates.*

MDR1 regulatory requirements are detailed in the 2020 FDA and 2012 EMA Drug Interaction Guidelines.

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