

**KRISHGEN BioSystems**

OUR REAGENTS, YOUR RESEARCH



**ReadyCell**

EASING YOUR SCREENING



ReadyCell is a biotechnological company focused on providing sophisticated **in vitro** ready-to-use cell-based assay kits for the **ADME-Tox** market segment. Our innovative products facilitate and streamline **drug discovery** and development study assays.

All kits include an innovative and patented gel-like cell culture medium, **Shipping Medium®**, which preserves cell functionality and viability at room temperature up to 7 days. The Shipping Medium technology is an ideal option for **worldwide** shipments.



ReadyCell in vitro systems are developed in a ready-to-use technology, optimizing timings and procedures during preclinical development.



#1  
**Receive**

Ready-to-use  
Cell Barrier



#2  
**Liquefy**

Liquefying of Solid  
Shipping Medium



#3  
**Apply**

Incubation with  
Test Compound



#4  
**Assay**

Assessment of  
Permeability/Transport  
End Point

ReadyCell's scientists are focused on developing novel cell-based in vitro kits, devised explicitly for permeability studies and transporter-mediated drug interactions.

Over two decades of expertise in cell culture maintenance, **Caco-2, MDCK II, HT-29 and HEK 293**, support that all products are conceived according to main healthcare regulatory agencies' requirements and the specific needs of the **pharmaceutical industry**.



EUROPEAN MEDICINES AGENCY  
SCIENCE MEDICINES HEALTH



**ReadyCell** offers a complete range of products to study pharmacokinetically required studies

## INTESTINAL PERMEABILITY KITS

### CacoReady

#### Caco-2 cell-based concept for in vitro intestinal absorption evaluation

The kit consists of 24 or 96 insert-integrated plates containing differentiated and polarized Caco-2 barriers. CacoReady is ready-to-use, and thanks to ReadyCell's flexible technology, the plates can be used up to 7 days after ideal cell barrier differentiation.

### CacoGoblet

#### Mucus secreting ready-to-use system for intestinal absorption evaluation

The kit consists of 24-well permeable support based on differentiated Caco-2 and human goblet cells. CacoGoblet allows in vitro intestinal absorption evaluation of drug targets in a barrier physiologically closer to the intestinal epithelium.

## EFFLUX TRANSPORTER KITS

### PreadyPort<sub>BCRP</sub>

#### In vitro BCRP transporter evaluation for early assessment of drug candidates

PreadyPort BCRP is available in 24 or 96 insert-integrated plates, in clones that overexpresses BCRP receptor as well as the parental line. Ideal for monolayer assays that study the interaction of drugs with efflux and/or uptake transporters.

### PreadyPort<sub>MDR1</sub>

#### Ready-to-use tool with transfected MDCK II cells, expressing MDR1 receptor

The system is suitable for testing p-gp interactions since it models the net transporter events of excretory cells and physiological barriers. PreadyPort-MDR1 kits contain 24 or 96 insert-integrated plates with differentiated MDCK II cells expressing MDR1 as well as the parental line.

### PreadyPort<sub>OATP2B1 BCRP</sub>

#### Ready-to-use system for OATP2B1 receptor drug interactions

Specially developed to study OATP2B1's clinical significance, the kit consist of 24 or 96 well plates with differentiated MDCK II cells expressing OATP2B1 / BCRP.

### Preadyctive<sub>MRP2</sub>

#### Screening kit for hepatic metabolism based on transfected MDCK II cells

MRP2 receptor is highly expressed in the liver, showing a relevant role in bilirubin conjugated metabolites. Regulatory agencies are considering receptor relevance in terms of pharmacokinetic activity. Preadyctive MRP2 is ready-to-use and available in 24 well insert plates.



# ReadyCell

is the specialized manufacturer of innovative cell-based ready-to-use kits

## UPTAKE TRANSPORTER KITS

### PreadyTake OCT2

#### HEK 293 cell based in vitro test ready for OCT2 renal elimination studies

In vitro assay kit based on differentiated HEK 293 cells overexpressing the OCT2 receptor. PreadyTake OCT2 contains 96 insert-integrated plates, enabling a first approach to renal metabolism during drug development stages.

### PreadyTake OATP1B1

#### MDCK II cell monolayer assay kit to evaluate hepatic uptake

Research tool indicated for OATP1B1 testing during DDI studies. PreadyTake OATP1B1 kits contain 96 insert-integrated plates with differentiated MDCK II cells expressing OATP1B1 receptor, as well as the parental line.

### PreadyTake OATP1B3

#### OATP1B3 transporter cell-based tool, easing pharmacokinetic tests

Ready-to-use in vitro kit, available in 96 well formats, and seeded with transfected MDCK II cells overexpressing OATP1B3 as well as the control cells. PreadyPort OATP1B3 is most recommended to evaluate the net active transport of drugs during hepatic metabolism.

### PreadyTake MATE1

#### MATE1 receptor has emerged as a relevant transporter for DDI assays

A ready-to-use kit, available in a 96-well format, and seeded with transfected HEK 293 cells expressing MATE1 transporter as well as the control cells. PreadyTake MATE1 is an in vitro model that evaluates the net active transport event of barriers such as liver and kidney for cationic compounds.

### PreadyTake OAT1

#### Cell culture kit recommended for renal pharmacokinetic evaluation

The kit consists in a 96 insert-integrated plate with differentiated MDCK II cells expressing OAT1, as well as the parental cell line. PreadyTake OAT1 allows in vitro renal evaluation of anionic drug targets metabolism.



## Why Trust ReadyCell for your Cell Development?

Trusting ReadyCell for your cell culture allows your business to respond better to market needs, have a reliable provider of high-quality cell kits, and reduce your capital expenditure.



### QUALITY

Rely on specialized support from an experienced team  
Order large amount of kits for specific studies and face high demand  
Get the highest quality of kits for a perfect replicability of in vitro assays



### TIME

Save time in your in vitro assay processes  
Skip the preparation and production stages  
Get your kits delivered around the world within a few days



### COSTS

Control your project costs with precision  
Target your team efforts on your in vitro assays  
Reduce capital expenditure and only pay for your targeted needs



## Why Trust ReadyCell for your Cell Development?

### IN HOUSE ADME ASSAYS

1

Laboratory Infrastructure & Cell System

Set up costs: > 200.000 €  
Annual maintenance: > 40.000 €



2

Manufacture Preparations

Material, reagent & cell culture  
Supply & preparations



3

Production Stage

Cell thawing  
Plates seeding & maintenance



4

Batch Validation

Manufacture & Quality Controls



5

Assay



6

Results Validation



### READYCELL READY-TO-USE KITS

1

Schedule the Assay  
Order the Kit



2

Receive the Kit

Liquefy Shipping Medium  
Product Check



3

Assay



4

Results Validation



Get Specialized  
Technical Support



# ReadyCell

EASING YOUR SCREENING

Distributed in India by:

**KRISHGEN BIOSYSTEMS**

Tel: +91-49198700 |

Email: [sales1@krishgen.com](mailto:sales1@krishgen.com) |

[www.krishgenbio.com](http://www.krishgenbio.com)