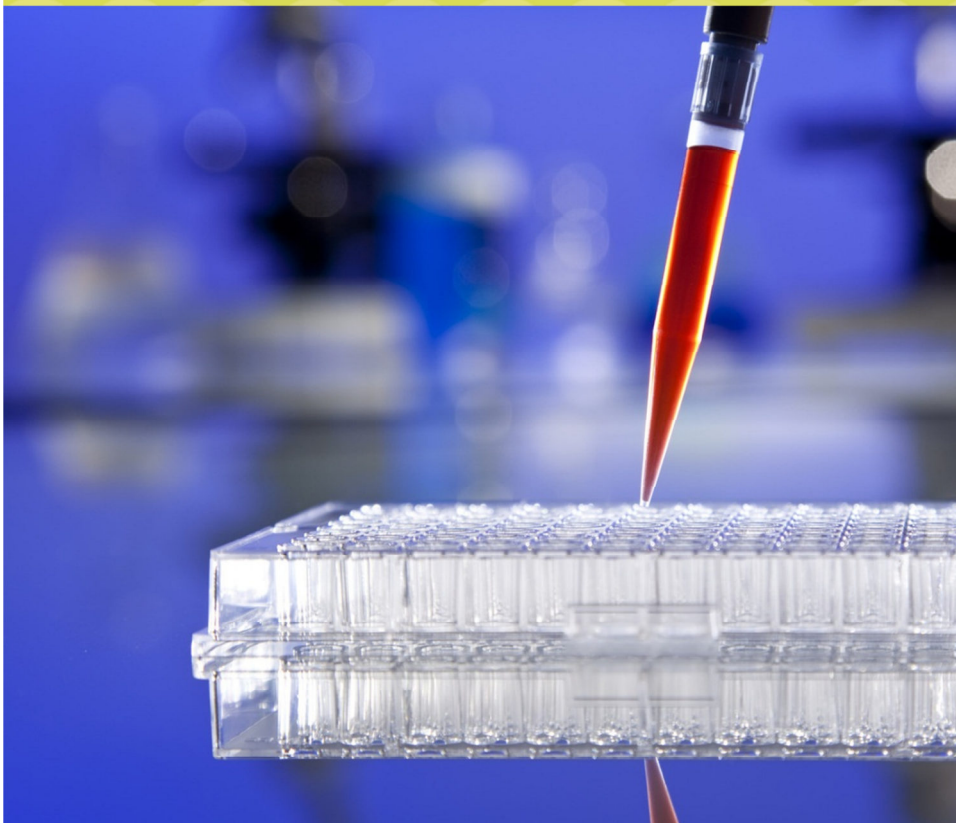


# PAMPA



## Fast, Accurate and Affordable...

Focused on early discovery, we understand that compounds at this stage often suffer from low aqueous solubility and high non-specific binding. That's why we don't assume that compounds are fully soluble under the assay conditions nor do we rely on assumed mass balance. Instead, with just 20  $\mu$ L of 10mM DMSO stock solution we measure actual dose concentration at  $T_0$  along with the concentration in the donor and acceptor wells.

To avoid non-specific binding we've incorporated BD Gentest™ pre-coated PAMPA plates into our workflow. Unlike traditional PAMPA formulations, these plates are comprised of an oil-lipid-oil trilayer offering a shortened path for compound diffusion more closely mimicking diffusion across the cell membrane while minimizing non-specific binding and improving the accuracy of PAMPA permeability values for compounds that are typically under-predicted using traditional PAMPA methods.

## Assay Protocol

### Method

Parallel Artificial Membrane Permeability using the BD Gentest™ pre-coated PAMPA plate system.

### Compound Requirements

20  $\mu$ L of 10mM DMSO stock solution

### Dose Concentration

200  $\mu$ M (others available)

### Incubation Time

5 hours (others available)

### Assay Media

PBS, pH 7.4

Other media available

### Quantitation Method

CLND

HPLC-UV

### Data Delivery within 72 hours

$P_{app}$

$C_0$

% Retained

### Cost

CLND: \$50.00 per compound per media

HPLC-UV: \$125.00 per compound

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