

PRODUCT INFORMATION SHEET

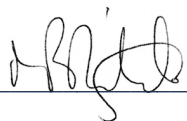
Human CYP3A5R EasyCYP Bactosomes

Catalogue Number: CYP/EZ046
Product Description: Human CYP3A5 and human CYP-reductase coexpressed in *Escherichia coli*
Amount: 0.5 nmol cytochrome P450
Storage Buffer: 50 mM Tris-acetate (pH 7.6), 250 mM sucrose, 0.25 mM EDTA
Storage: Store at -80°C . Avoid frequent temperature changes. Thaw on ice.
Intended Use: For laboratory (research) purposes only.

Batch Number: C3A5R010A
CYP Concentration: 1.0 nmol/ml
Protein Concentration: 10.0 mg/ml
Specific CYP Content: 100 pmol/mg protein
Cytochrome c Reductase Activity: 1267 nmol/min/mg protein

¹CYP Activity Data

Activity measured: Testosterone 6β -hydroxylase
²Linear with time up to: 8 min
³Linear with CYP up to: 25 pmol/ml
 V_{max} : 51 pmol/min/pmol CYP
 K_{m} : 83 μM

Approved by  _____

Date 5th April 2023

Notes

¹Unless otherwise stated, all assays are performed at 37°C in 100 mM potassium phosphate buffer (pH 7.4) containing 5 mM magnesium chloride and an NADPH generating system [5 mM glucose 6-phosphate, 1 mM NADP⁺, 1 U/ml glucose 6-phosphate dehydrogenase].

²Determined at 60 μM substrate, using a CYP concentration of 5 pmol/ml.

³Determined at 60 μM substrate, using an incubation time of 5 min.

Safety Data

The toxicological properties of this reagent have not been investigated. Exercise due care when handling. This product is being sold for research purposes only.