

PRODUCT INFORMATION SHEET

Human CYP3A7BR EasyCYP Bactosomes

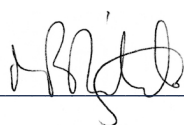
Catalogue Number: CYP/EZ060
Product Description: Human CYP3A7 and human CYP-reductase coexpressed in *Escherichia coli*, supplemented with purified human cytochrome *b*₅
Amount: 0.5 nmol cytochrome P450
Storage Buffer: 50 mM Tris-acetate (pH 7.6), 250 mM sucrose, 0.25 mM EDTA
Storage: Store at -80°C. Avoid frequent temperature changes. Thaw on ice.
Intended Use: For laboratory (research) purposes only.

Batch Number: C3A7BR005
CYP Concentration: 1.0 nmol/ml
Cytochrome *b*₅ Concentration: 5.0 nmol/ml
Protein Concentration: 10.0 mg/ml
Specific CYP Content: 100 pmol/mg protein
Cytochrome c Reductase Activity: 964 nmol/min/mg protein

¹CYP Activity Data

Activity measured: Testosterone 6β-hydroxylase
²Linear with time up to: 15 min
³Linear with CYP up to: 50 pmol/ml
*V*_{max}: 2.5 pmol/min/pmol CYP
*K*_m: 20 μM

Approved by _____



Date 3rd August 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 32 μM substrate, using a CYP concentration of 50 pmol/ml.

³Determined at 32 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.