

PRODUCT INFORMATION SHEET

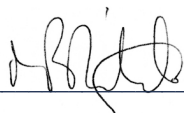
Human CYP3A4R Bactosomes

Catalogue Number: CYP002
Product Description: Human CYP3A4 and human CYP-reductase coexpressed in *Escherichia coli*
Amount: 1 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: C3A4R057C
CYP Concentration: 4.4 nmol/ml
Protein Concentration: 21.1 mg/ml
Specific CYP Content: 209 pmol/mg protein
Cytochrome c Reductase Activity: 1336 nmol/min/mg protein

¹CYP Activity Data

Activity measured: Testosterone 6 β -hydroxylase
²Linear with time up to: 5 min
³Linear with CYP up to: 25 pmol/ml
V_{max}: 115 pmol/min/pmol CYP
K_m: 31 μ M

Approved by  _____

Date 17th July 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 μ M substrate, using a CYP concentration of 5 pmol/ml.

³Determined at 32 μ M 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.