



Product Information Sheet

Pig CYP3A39LR Bactosomes

Catalogue Number: CYP453
Product Description: Pig CYP3A39 and pig 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: INT068E14
P450 Concentration: 9.9 nmol/ml
Protein Concentration: 19.5 mg/ml
Specific P450 Content: 508 pmol/mg protein
Cytochrome c Reductase Activity: 200 nmol/min/mg protein

¹P450 Activity Data

Activity: Testosterone 6 β -hydroxylase

²Linear with time up to: 30 min

³Linear with P450 up to: 250 pmol/ml

V_{max}: 0.45 pmol/min/pmol CYP

K_m: 42 μ M

Approved by 

Date 12th February 2021

Notes:

¹Unless otherwise stated, all assays are carried out 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 P450 concentration of 175 pmol/ml.

³Determined at 32 μ M substrate, using an incubation time of 20 min.

Safety Data

The toxicological properties of this reagent have not been investigated. Exercise due care when handling.

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