



Product Information Sheet

Pig CYP3A39BR Bactosomes

Catalogue Number: CYP456
Product Description: Pig CYP3A39 and pig CYP-reductase coexpressed in *Escherichia coli*, supplemented with purified human cytochrome *b*₅
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: BINT068E42
P450 Concentration: 3.1 nmol/ml
Cytochrome *b*₅ Concentration: 15.6 nmol/ml
Protein Concentration: 14.0 mg/ml
Specific P450 Content: 221 pmol/mg protein
Cytochrome *c* Reductase Activity: 1671 nmol/min/mg protein

¹P450 Activity Data

Activity: Testosterone 6 β -hydroxylase

²Linear with time up to: 4 min

³Linear with P450 up to: 50 pmol/ml

V_{max}: 20 pmol/min/pmol CYP

K_m: 46 μ M

Approved by 

Date 8th August, 2017

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 25 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.

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