



Product Information Sheet

Human CYP3A5BLR Bactosomes

Catalogue Number: CYP045
Product Description: Human CYP3A5 and human 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: C3A5BLR009
P450 Concentration: 1.7 nmol/ml
Cytochrome *b*₅ Concentration: 8.4 nmol/ml
Protein Concentration: 8.8 mg/ml
Specific P450 Content: 193 pmol/mg protein
Cytochrome *c* Reductase Activity: 352 nmol/min/mg protein

¹P450 Activity Data

Activity: Testosterone 6 β -hydroxylase
²Linear with time up to: 30 min
³Linear with P450 up to: 80 pmol/ml
 V_{max} : 15 pmol/min/pmol CYP
 K_m : 77 μ M

Approved by _____

Date 21st September, 2009

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 60 μ M substrate, using a P450 concentration of 12.5 pmol/ml.
- ³Determined at 60 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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