



Product Information Sheet

Human CYP4F2BLR Bactosomes

Catalogue Number: CYP040
Product Description: Human CYP4F2 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: C4F2BLR001
P450 Concentration: 2.2 nmol/ml
Cytochrome *b*₅ Concentration: 11.1 nmol/ml
Protein Concentration: 17.3 mg/ml
Specific P450 Content: 127 pmol/mg protein
Cytochrome c Reductase Activity: 208 nmol/min/mg protein

¹P450 Activity Data

Activity: Leukotriene B₄ ω-hydroxylase
²Linear with time up to: 25 min
³Linear with P450 up to: 100 pmol/ml
V_{max}: 1.6 pmol/min/pmol CYP
K_m: 46 μM

Approved by _____

Date 3rd October, 2008

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 20 μM substrate, using a P450 concentration of 50 pmol/ml.

³Determined at 20 μM substrate, using an incubation time of 10 min.

Safety Data

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

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Cypex Ltd, 6 Tom McDonald Avenue, Dundee, DD2 1NH, Scotland, UK.

Telephone (+44) (0) 1382 562391 Fax (+44) (0) 1382 562394 Internet <http://www.cypex.co.uk/> Email info@cypex.co.uk
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