



Product Information Sheet

Human CYP4F3BBR Bactosomes

Catalogue Number: CYP058
Product Description: Human CYP4F3B 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: C4F3BBR001
P450 Concentration: 3.9 nmol/ml
Cytochrome *b*₅ Concentration: 19.7 nmol/ml
Protein Concentration: 18.4 mg/ml
Specific P450 Content: 212 pmol/mg protein
Cytochrome *c* Reductase Activity: 875 nmol/min/mg protein

¹P450 Activity Data

Activity: Leukotriene B₄ ω-hydroxylase
²Linear with time up to: 10 min
³Linear with P450 up to: 16 pmol/ml
V_{max}: 18 pmol/min/pmol CYP
K_m: 2.3 μM

Approved by _____

Date 4th March, 2020 _____

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 either 1 mM NADPH or an NADPH generating system [5 mM isocitric acid, 5 μM manganese chloride, 1 mM NADP⁺, 1 U/ml isocitrate dehydrogenase].
²Determined at 10 μM substrate, using a P450 concentration of 8 pmol/ml.
³Determined at 10 μM 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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