

PRODUCT INFORMATION SHEET

Rat CYP2C13BLR Bactosomes

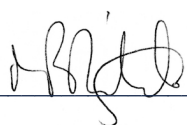
Catalogue Number: CYP373
Product Description: Rat CYP2C13 and rat CYP-reductase coexpressed in *Escherichia coli*, supplemented with purified rat cytochrome *b₅*
Amount: 1 nmol cytochrome P450
Storage Buffer: 50 mM Tris-acetate (pH 7.6), 250 mM sucrose, 0.25 mM EDTA
Storage: Store at -80°C. Avoid frequent temperature changes. Thaw on ice.
Intended Use: For laboratory (research) purposes only.

Batch Number: BINT073E9
CYP Concentration: 1.8 nmol/ml
Cytochrome *b₅* Concentration: 9.1 nmol/ml
Protein Concentration: 8.0 mg/ml
Specific CYP Content: 225 pmol/mg protein
Cytochrome c Reductase Activity: 1838 nmol/min/mg protein

¹CYP Activity Data

Activity measured: Testosterone 6 β -hydroxylase
²Linear with time up to: 8 min
³Linear with CYP up to: 50 pmol/ml
 V_{max} : 5.3 pmol/min/pmol CYP
 K_m : 7.8 μ M

Approved by _____



Date 9th June 2023

Notes

¹Unless otherwise stated, all assays are performed 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 4 μ M substrate, using a CYP concentration of 25 pmol/ml.

³Determined at 4 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. This product is being sold for research purposes only.