

PRODUCT INFORMATION SHEET

Rat CYP1A2LR Bactosomes

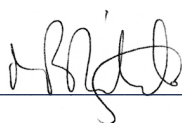
Catalogue Number: CYP364
Product Description: Rat CYP1A2 and rat CYP-reductase coexpressed in *Escherichia coli*
Amount: 1 nmol cytochrome P450
Storage Buffer: 50 mM Tris-acetate (pH 7.6), 250 mM sucrose, 0.25 mM EDTA
Storage: Store at -80°C . Avoid frequent temperature changes. Thaw on ice.
Intended Use: For laboratory (research) purposes only.

Batch Number: INT066E1D
CYP Concentration: 9.8 nmol/ml
Protein Concentration: 20.4 mg/ml
Specific CYP Content: 480 pmol/mg protein
Cytochrome c Reductase Activity: 2113 nmol/min/mg protein

¹CYP Activity Data

Activity measured: 7-ethoxyresorufin O-deethylase
²Linear with time up to: 4 min
³Linear with CYP up to: 2.5 pmol/ml
 V_{\max} : 10 pmol/min/pmol CYP
 K_m : 0.06 μM

Approved by _____



Date 23rd February 2024

Notes

¹Unless otherwise stated, all assays are performed at 37°C in 50 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 0.2 μM substrate, using a CYP concentration of 0.5 pmol/ml.

³Determined at 0.2 μM substrate, using an incubation time of 30 sec.

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.