

PRODUCT INFORMATION SHEET

Rat CYP1A1LR Bactosomes

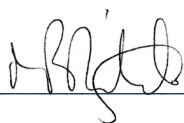
Catalogue Number: CYP367
Product Description: Rat CYP1A1 and rat CYP-reductase coexpressed in *Escherichia coli*
Amount: 1 nmol cytochrome P450
Storage Buffer: 50 mM Tris-acetate (pH 7.6), 250 mM sucrose, 0.25 mM EDTA
Storage: Store at -80°C . Avoid frequent temperature changes. Thaw on ice.
Intended Use: For laboratory (research) purposes only.

Batch Number: INT073E2
CYP Concentration: 4.8 nmol/ml
Protein Concentration: 10.1 mg/ml
Specific CYP Content: 475 pmol/mg protein
Cytochrome c Reductase Activity: 2406 nmol/min/mg protein

¹CYP Activity Data

Activity measured: 7-ethoxycoumarin O-deethylase
²Linear with time up to: 6 min
³Linear with CYP up to: 5 pmol/ml
 V_{\max} : 135 pmol/min/pmol CYP
 K_m : 11 μM

Approved by _____



Date 5th June 2023

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 5 μM substrate, using a CYP concentration of 0.5 pmol/ml.

³Determined at 5 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. This product is being sold for research purposes only.