

PRODUCT INFORMATION SHEET

Rat CYP2D2LR Bactosomes

Catalogue Number: CYP369
Product Description: Rat CYP2D2 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: RC2D2LR001
CYP Concentration: 1.0 nmol/ml
Protein Concentration: 13.6 mg/ml
Specific CYP Content: 74 pmol/mg protein
Cytochrome c Reductase Activity: 912 nmol/min/mg protein

¹CYP Activity Data

Activity measured: Bufuralol 1'-hydroxylase
²Linear with time up to: 5 min
³Linear with CYP up to: 6 pmol/ml
 V_{max} : 8.6 pmol/min/pmol CYP
 K_m : 0.91 μM

Approved by  _____

Date 7th 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 1 μM substrate, using a CYP concentration of 5 pmol/ml.

³Determined at 1 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.