

PRODUCT INFORMATION SHEET

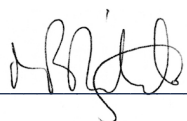
Human CYP2A6R EasyCYP Bactosomes

Catalogue Number: CYP/EZ011
 Product Description: Human CYP2A6 and human CYP-reductase coexpressed in *Escherichia coli*
 Amount: 0.5 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: C2A6R017A
 CYP Concentration: 1.0 nmol/ml
 Protein Concentration: 10.0 mg/ml
 Specific CYP Content: 100 pmol/mg protein
 Cytochrome c Reductase Activity: 735 nmol/min/mg protein

¹CYP Activity Data

Activity measured: Coumarin 7-hydroxylase
²Linear with time up to: 12 min
³Linear with CYP up to: 2 pmol/ml
 V_{max} : 12 pmol/min/pmol CYP
 K_m : 0.86 μ M

Approved by  _____

Date 11th October 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 0.8 μ M substrate, using a CYP concentration of 0.5 pmol/ml.

³Determined at 0.8 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.