



Product Information Sheet

Human SULT1A1*1

Catalogue Number: CYP100
Product Description: Human SULT1A1*1 expressed in *Escherichia coli*
Amount: 1 mg protein
Storage Buffer: 10 mM sodium phosphate (pH 7.4), 140 mM NaCl
Storage: Store at -80°C. Avoid frequent temperature changes. Thaw on ice.
Intended Use: For laboratory (research) purposes only.

Batch Number: S1A1*1001-A
Protein Concentration: 10 mg/ml

¹SULT Activity Data

Substrate: 4-nitrophenol
Activity: 12 nmol/min/mg protein (at 4 µM 4-nitrophenol)
²Linear with time up to: 15 min
³Linear with protein up to: 8 µg/ml

Substrate: 4-methylumbelliferone
 V_{max} : 7.9 nmol/min/mg protein
 K_m : 1.1 µM

Approved by  _____

Date 10th July, 2002 _____

Notes:

¹Unless otherwise stated, all assays are carried out at 37°C in 50 mM potassium phosphate buffer (pH 7.4) containing 5 mM magnesium chloride, 10 mM dithiothreitol and 20 µM PAPS.

²Determined at a protein concentration of 2.5 µg/ml.

³Determined using an incubation time of 5 min.

Safety Data

The toxicological properties of this reagent have not been investigated. Exercise due care when handling.

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United States Patent Nos. 4,952,496, 5,693,489 and 5,869,320.