



Product Information Sheet

Human UGT1A1

Catalogue Number: CYP201
Product Description: Sf9 insect cell microsomes containing recombinant human UGT1A1
Amount: 2.5 mg protein (0.5 ml)
Storage Buffer: 25 mM Tris-acetate (pH 7.6), 10% (v/v) glycerol, 1 mM EDTA
Storage: Store at -80°C. Avoid frequent temperature changes. Thaw on ice.
Intended Use: For laboratory (research) purposes only.

Batch Number: INT070E1C
Protein Concentration: 5 mg/ml

¹UGT Activity Data

Substrate: 17 β -estradiol (3-glucuronide formation)
²Linear with time up to: 20 min
³Linear with protein up to: 400 μ g/ml
Maximum activity: 669 pmol/min/mg protein (at 60 μ M substrate)
S₅₀: 14 μ M

Approved by _____

Date 21st October 2021

Notes:

- ¹Unless otherwise stated, all assays are carried out at 37°C in 100 mM Tris-HCl (pH 7.5) containing 5 mM magnesium chloride and 2 mM UDPGA. Alamethicin (10 μ g/ml final concentration) is added to kinetics tests only.
²Determined at 10 μ M substrate, using a protein concentration of 250 μ g/ml.
³Determined at 10 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.

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