



## Product Information Sheet

### Human UGT1A4

Catalogue Number: CYP207  
Product Description: Sf9 insect cell microsomes containing recombinant human UGT1A4  
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: INT070E7A  
Protein Concentration: 5 mg/ml

#### <sup>1</sup>UGT Activity Data

Substrate: Trifluoperazine (N-glucuronide formation)  
<sup>2</sup>Linear with time up to: 30 min  
<sup>3</sup>Linear with protein up to: 100 µg/ml  
V<sub>max</sub>: 512 pmol/min/mg protein  
K<sub>m</sub>: 27 µM

Approved by \_\_\_\_\_

Date 12<sup>th</sup> September, 2019

#### Notes:

- <sup>1</sup>Unless 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 is not used for this enzyme/substrate combination.
- <sup>2</sup>Determined at 20 µM substrate, using a protein concentration of 125 µg/ml.
- <sup>3</sup>Determined at 20 µM substrate, using an incubation time of 20 min. For this test, control Sf9 insect cell microsomal protein is added to incubations to keep the total protein concentration fixed at 100 µg/ml. Failure to control the total protein concentration results in a non-linear response when using trifluoperazine as the test substrate.

#### Safety Data

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

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