



## Product Information Sheet

### Human UGT1A10

Catalogue Number: CYP204  
Product Description: Sf9 insect cell microsomes containing recombinant human UGT1A10  
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: INT070E4A  
Protein Concentration: 5 mg/ml

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

Substrate: 17 $\beta$ -estradiol (3-glucuronide formation)  
<sup>2</sup>Linear with time up to: 12 min  
<sup>3</sup>Linear with protein up to: 20  $\mu$ g/ml  
 $V_{max}$ : 9744 pmol/min/mg protein  
 $K_m$ : 2.7  $\mu$ M

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

Date 28<sup>th</sup> June 2023

#### 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 (10  $\mu$ g/ml final concentration) is added to kinetics tests only.  
<sup>2</sup>Determined at 2  $\mu$ M substrate, using a protein concentration of 5  $\mu$ g/ml.  
<sup>3</sup>Determined at 2  $\mu$ 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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