



## Product Information Sheet

### Human Reductase Bactosomes

Catalogue Number: CYP004  
Product Description: Human NADPH-CYP reductase expressed in *Escherichia coli*  
Amount: 9.3 nmol NADPH-CYP reductase  
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: RED004  
<sup>1</sup>NADPH-CYP Reductase Concentration: 10.3 nmol/ml  
Protein Concentration: 12.7 mg/ml  
Cytochrome c Reductase Activity: 30950 nmol/min/ml  
Specific Cytochrome c Reductase Activity: 2437 nmol/min/mg protein

Approved by

Date 30<sup>th</sup> April, 2013

#### Note:

<sup>1</sup>NADPH-CYP reductase concentration is estimated from the cytochrome c reductase activity. This calculation assumes that 1 nmol of purified NADPH-CYP reductase catalyses the reduction of 3,000 nmol cytochrome c per min.

<sup>2</sup>The measured cytochrome c reductase activity of this batch was much higher when the batch was re-tested after 4 years. The amount of reductase in the vial has therefore been re-estimated at 9.3 nmol (originally 4 nmol).

#### Safety Data

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

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