Cypex

Product Information Sheet

Human CYP2A6R Bactosomes

Catalogue Number:	CYP011
Product Description:	Human CYP2A6 and human CYP-reductase coexpressed in *Escherichia coli*
Amount:	1 nmol cytochrome P450
Storage Buffer:	50 mM Tris-acetate (pH 7.6), 250 mM sucrose, 0.25 mM EDTA
Storage:	Store at -80ºC. Avoid frequent temperature changes. Thaw on ice.
Intended Use:	For laboratory (research) purposes only.

Batch Number:	C2A6R002
P450 Concentration:	1.1 nmol/ml
Protein Concentration:	2.7 mg/ml
Specific P450 Content:	407 pmol/mg protein
Cytochrome *c* Reductase Activity:	2444 nmol/min/mg protein

[1]P450 Activity Data

Activity:	Coumarin 7-hydroxylase
[2]Linear with time up to:	6 min
[3]Linear with P450 up to:	2 pmol/ml
V_{max}:	9.3 min^{-1}
K_m:	1.2 µM

Approved by _____ Date 18th October, 2000

Notes:
[1]Unless otherwise stated, all assays are carried out at 37ºC in 50 mM potassium phosphate buffer (pH 7.4) containing 5 mM magnesium chloride and an NADPH generating system [5 mM glucose 6-phosphate, 1 mM $NADP^+$, 1 U/ml glucose 6-phosphate dehydrogenase].
[2]Determined at 0.8 µM substrate, using a P450 concentration of 0.5 pmol/ml.
[3]Determined at 0.8 µM 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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