Product Information Sheet

Human CYP2B6R Bactosomes

Catalogue Number:	CYP020
Product Description:	Human CYP2B6 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:	C2B6R007A
P450 Concentration:	2.8 nmol/ml
Protein Concentration:	14.0 mg/ml
Specific P450 Content:	200 pmol/mg protein
Cytochrome *c* Reductase Activity:	1257 nmol/min/mg protein

[1]P450 Activity Data

Activity:	Diazepam N-demethylase
[2]Linear with time up to:	6 min
[3]Linear with P450 up to:	30 pmol/ml
V_{max}:	3.6 pmol/min/pmol CYP
K_m:	106 µM

Approved by _____ Date 16th November, 2005

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 50 µM substrate, using a P450 concentration of 12.5 pmol/ml.
[3]Determined at 50 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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