XENOTECH, LLC

R2500.S9 / Lot No. 0410207

Fischer 344 Rat Liver S9
Untreated, Female, Pool of 103
1.0 mL at 20 mg protein / mL

Specific content and activities [a]		Content / Rate
Cytochrome P450 (nmol/mg protein)		0.169
Cytochrome b_5 (nmol/mg protein)		0.157
7-Ethoxycoumarin *O*-dealkylation	(pmol/mg protein/min) [a]	190 ± 1
Glucuronidation of 4-methylumbelliferone	(nmol/mg protein/min)	51.6 ± 1.1
CDNB	(nmol/mg protein/min) [b]	489 ± 15

Values for enzyme activities are mean ± standard deviation of three or more determinations.

[a] Assay performed at 500 µM substrate concentration.

[b] 1-chloro-2,4-dinitrobenzene-glutathione conjugation by Glutathione Transferase

Animal Information

Species:	Rat
Strain:	Fischer 344
Sex:	Female
Age:	~8 weeks
Vendor:	Charles River

Animals were housed in an AAALAC-accredited facility and allowed to acclimate ≥ seven days before use.

Food:	Harlan Teklad Rodent Chow #8604 (*ad libitum*)
Water:	Automatic watering system (*ad libitum*)
Light/dark cycle:	6:00 am - 6:00 pm, light; 6:00 pm - 6:00 am, dark (12-hour light/dark)
Temperature:	72°F ± 3°F
Humidity:	45-55 %
Bedding:	Cell-Sorb Plus (gypsum treated paper product), A&W Products, New Philadelphia, OH
Cage:	Polycarbonate Shoebox Cage, conventional cage

Store at -80°C

For in vitro *use only*

CAUTION: *Although strict measures are taken to ensure that livers obtained from laboratory animals do not harbor infectious diseases, we recommend that all animal products be handled as potential biohazards and universal precautions be followed.*

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DATA SHEET PREPARED 10/18/04

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