

Uncommon Science | Uncommon Service

Content / Rate

D1500.S9 / Lot No. 0610384

Beagle Dog Liver S9 Untreated, Female, Pool of 12 1.0 mL at 20 mg protein / mL

Specific content and activities ^a

Cytochrome P450 (nmol/mg protein)	0.13	80
Cytochrome b_5 (nmol/mg protein)	0.08	32
7-Ethoxycoumarin <i>O</i> -dealkylation (pr	mol/mg protein/min) ^b 882	± 39
Glucuronidation of 4-methylumbelliferone (m	mol/mg protein/min) 151	± 1
CDNB (m	mol/mg protein/min) ^c 405	± 8

^a Characterization is performed when the first lot of a product from a given subcellular fraction (e.g., S9) is prepared. Subsequent lots are subject to a verification test only. Values for enzyme activities are mean \pm standard deviation of three or more determinations.

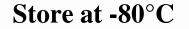
^b Assay performed at 500 µM substrate concentration. Previous lots were characterized at 100 µM.

^c 1-chloro-2,4-dinitrobenzene-glutathione conjugation by Glutathione Transferase

Animal Information			
Species:	Dog; Canis familiaris		
Breed:	Beagle		
Sex:	Female		
Age:	4-9 years		
Vendor:	Covance, Cumberland, VA		
	boratory animals and were housed in an AAALAC-accredited facility, which is registered as a research he USDA-APHIS-AC. All animals were asymptomatic at the time of euthanasia.		
Food:	Nutrena (ad libitum)		
Water	Automatic watering system ten water (ad likitum)		

1000.	
Water:	Automatic watering system, tap water (ad libitum)
Light/dark cycle:	Not monitored
Temperature:	Ranges from 62°-85°F
Humidity:	Not monitored
Cage:	Indoor/outdoor run cages, plastic coated rod bottom, sanitized at least every 2 weeks





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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