

Discovery Life Sciences
6 Henshaw Street
Woburn, MA 01801
Tel: (866) 838-2798
info@dls.com
https://www.dls.com/

POOLED MALE MONKEY LIVER MICROSOMES (Cynomolgus)

Catalog Number.....452413
Lot Number.....2211299KHC

Storage Conditions.....**STORE AT -80°C**
Date Released.....2023 January

Package Content.....0.5 mL
Protein Content.....20 mg/mL in 250 mM Sucrose

Enzyme Assay Results

<i>Enzyme Measured</i>	<i>Assay</i>	Enzyme Activity [in pmole/(mg x min)]
Total P450	Omura and Sato	800 pmole/mg
Cytochrome b ₅	Spectrophotometric	240pmole/mg
CYP3A	Testosterone 6β-hydroxylase	9700

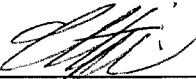
- The cytochrome P450 assay (testosterone 6β-hydroxylase) was conducted at 0.2 mg/mL protein in 0.1 M potassium phosphate buffer (pH 7.4) with an NADPH generating system (1.3 mM NADP, 3.3 mM glucose 6-phosphate and 0.4 U/mL glucose 6-phosphate dehydrogenase) and 3.3 mM MgCl₂. Incubation time for the assay was 5 minutes. Activity is expressed as pmol product per (min x mg).
- The protein concentration reported has been demonstrated to be within an acceptable range of 18-24 mg/mL. Range reported is due to intrinsic variability in the assay.
- Animals were tested sero-negative for the following pathogens: Simian retrovirus type D (SRV/D), Simian T-cell leukemia virus (STLV-1), Herpesvirus Simiae (CHV-1) and Simian immunodeficiency virus (SIVmac).
- Pool is comprised of livers from 14 monkeys, all of which were sexually mature.

Hazard Warning:

This microsome product was prepared from freshly frozen monkey tissue. The tissue used to prepare these materials, has tested serologically negative for SRV/D, STLV-1, CHV-1 and SIVmac. However, we recommend that this material be considered a potential biohazard.

Safety Recommendations:

Safety assessment indicates that this product is non-hazardous: therefore no SDS [Safety Data Sheet] is provided. Handle in accordance with good industrial hygiene and laboratory safety practices.



Quality Assurance

17 Jan, 2023
Date

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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