XENOTECH
A BioIVT Company

Data Sheet
Certificate of Analysis

H0610.ES9 Lot No. 2310320

Human Epidermal Skin S9 Fraction
Mixed Gender, Pool of 7
0.5 mL at 4 mg protein / mL
Suspension medium: 50 mM Tris·HCl, 150 mM KCl, 2 mM EDTA

Enzyme Activities		***Rate***
6α-Methylprednisolone 21-hemisuccinate hydrolysis	(pmol/mg protein/min)	455 ± 48

Values for enzyme activities were determined at a single substrate concentration and are mean ± standard deviation of three or more determinations.

To measure carboxylesterase activity, skin S9 samples (0.15 mg/mL) were incubated in triplicate at 37 ± 2°C for 10 minutes in potassium phosphate buffer (50 mM, pH 7.4), containing $MgCl_2$ (3.0 mM), EDTA (1.0 mM), and 6α-methylprednisonlone 21-hemisuccinate (750 µM), at the final concentrations indicated. Metabolite formation was determined by LC-MS/MS methods with deuterated metabolites as internal standards.

Donor Information

Sample	Gender	Age (Yrs)	Race	Cause of Death
46	M	35	Caucasian	Anoxia
47	M	68	Caucasian	Anoxia
48	M	66	Caucasian	Anoxia
49	M	46	Caucasian	Cerebrovascular accident
51	F	61	Caucasian	Anoxia
52	F	56	Caucasian	Anoxia
53	F	26	Caucasian	Head trauma

Serology information

- 1 donor tested negative for cytomegalovirus. 6 donors were not tested.
- All donors tested negative for RPR*
- All donors tested negative for HIV, HbsAg, and HCV**

***** Rapid Plasma Reagin.

** Antibody to Human Immunodeficiency Virus, Hepatitis B Surface Antigen, Antibody to Hepatitis C Virus, respectively.

Store at -80°C

CAUTION: This sample should be considered as a potential biohazard and universal precautions should be followed. Intended for *in vitro* use only.

This data sheet serves as a Certificate of Analysis and has been approved by Stephanie Helmstetter, Assistant Director.
Signature and Date: Stephanie Helmstetter 08 December 2023