

**Male SpragueDawley (SD) Rat Liver Microsomes**

Product Number	LM-DS-02M	Lot Number	WJYW
Gender	Male	Number of Animal in Pool	120
Date of Preparation	2021-12	Storage Condition	-70°C

**(1) Specification**

Protein Content (mg/mL)	20
Volume per vial (mL)	0.5
Amount of protein per vial (mg/vial)	10

**(2) Enzyme Characterization**

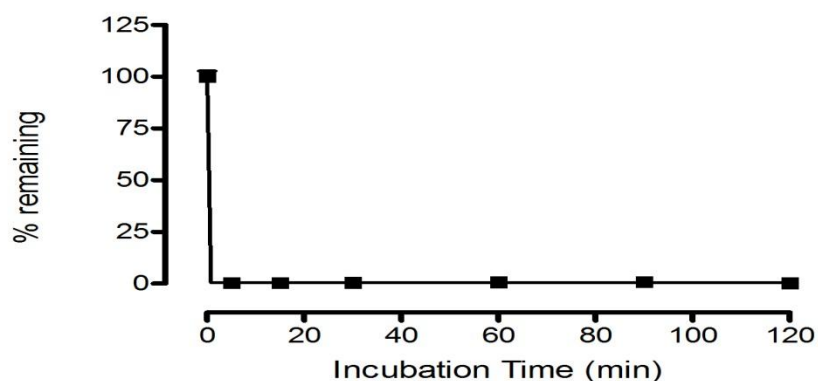
Phenotyping Reaction	Substrate	Enzyme activity (pmole/mg/min)	
	( $\mu$ M)	Mean	SD
Testosterone 6 $\beta$ -hydroxylation	40	639	62.0
7-hydroxylation CoumarinGlucuronidation	30	1780	174

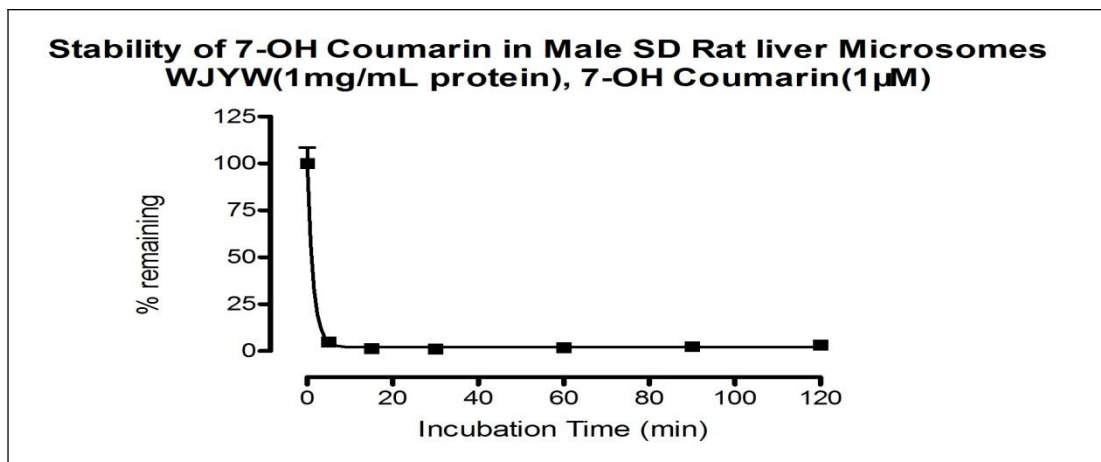
**(3) *In vitro* intrinsic clearance**

Probe Substrate	( $\mu$ M)	T <sub>1/2</sub> (min)	Clint( $\mu$ L/min/mg protein)
Testosterone	1	2.23	311
7-hydroxylation Coumarin	1	2.66	260

**(4) Figure**

**Stability of Testosterone in SD Rat liver Microsomes WJYW(1 mg/mL protein), Testosterone(1  $\mu$ M)**





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