

ICR/CD1 Mouse Liver Microsomes

Product Number	LM-XS-02M	Lot Number	CXHC																
Gender	Male	Number of Animal in Pool	140																
Date of Preparation	2021-05	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)																	
	(μ M)	Mean	SD																
Testosterone 6 β -hydroxylation	40	593	100																
7-hydroxylation Coumarin Glucuronidation	30	2953	93.3																
(3) <i>In vitro</i> intrinsic clearance																			
Probe Substrate	(μ M)	T _{1/2} (min)	Clint(μ L/min/mg protein)																
Testosterone	1.0	3.84	180																
7-OH Coumarin	1.0	2.21	313																
(4) Figure																			
<p style="text-align: center;">Stability of Testosterone in CD1 Mouse liver Microsomes CXHC(1mg/mL protein), Testosterone(1μM)</p> <table border="1"><caption>Data points for Testosterone Stability</caption><thead><tr><th>Incubation Time (min)</th><th>% remaining</th></tr></thead><tbody><tr><td>0</td><td>100</td></tr><tr><td>5</td><td>45</td></tr><tr><td>15</td><td>15</td></tr><tr><td>30</td><td>5</td></tr><tr><td>60</td><td>2</td></tr><tr><td>90</td><td>1</td></tr><tr><td>120</td><td>1</td></tr></tbody></table>				Incubation Time (min)	% remaining	0	100	5	45	15	15	30	5	60	2	90	1	120	1
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