

Male Beagle Dog Hepatocytes

Product Number	HP-BGQ-02M	Lot Number	LQML
Gender	Male	Number of Animal in Pool	4
Date of Preparation	2023.04	Storage Condition	-150° C

(1) Cell Viability

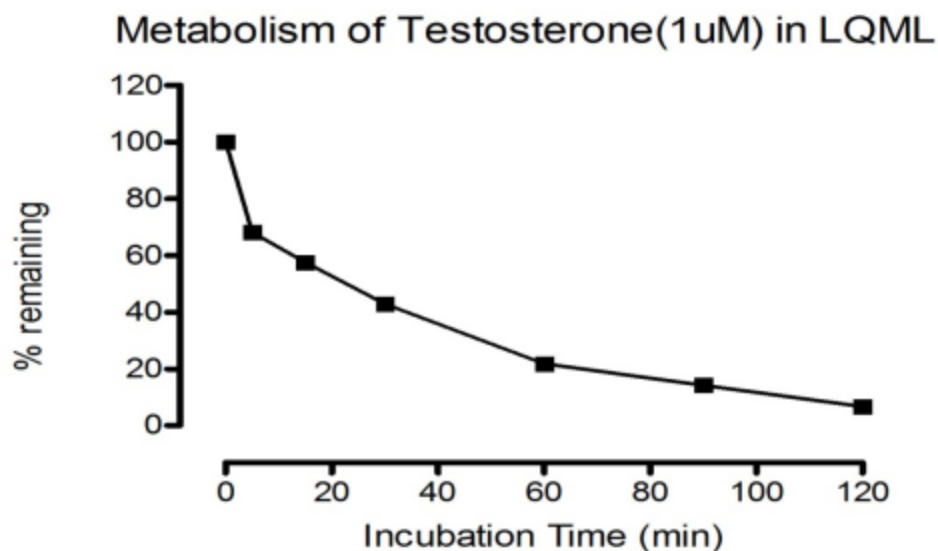
Specification	Results
Post-thaw viability by trypan blue exclusion, >70%	75%
viable cell, >5million/vial	5.5 million/vial

(2) Enzyme Characterization

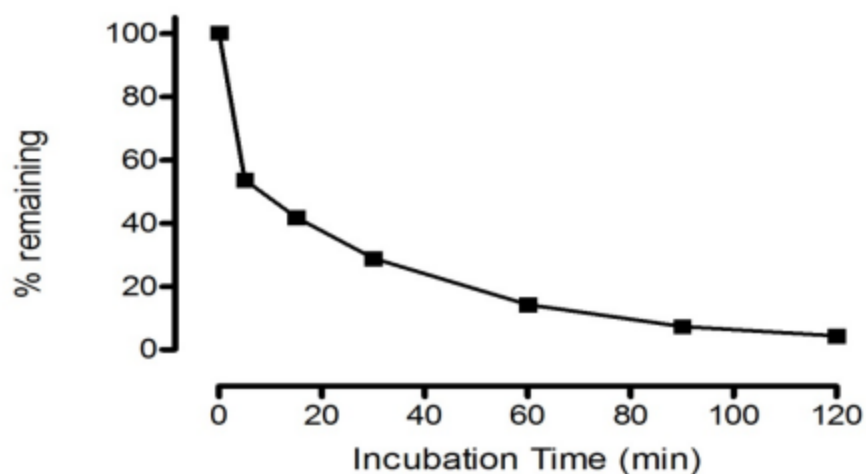
Phenotyping Reaction	Substrate	Enzyme activity (pmole/10 ⁶ cells /min)	
	(μ M)	Mean	SD
Testosterone 6 β -hydroxylation	100	35.6	1.84
7-hydroxylation Coumarin Glucuronidation	300	701	19.0

(3) *In vitro* intrinsic clearance

Probe Substrate	(μ M)	T _{1/2} (min)	Cl _{int} (μ L/min/10 ⁶ cells)
Testosterone	1	16.8	206
7-OH Coumarin	1	12.4	278



Metabolism of 7-OH Coumarin (1uM) in LQML



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Reviewed by	Zhubing Hao	Signature	<i>Zhubing Hao</i>
Approved by	Ming Wu	Signature	<i>Ming Wu</i>