RILD Research Institute for Liver Diseases (Shanghai) Co. Ltd

Human Liver S9 - PBCQ

Product Number	LS-R-02M	**Lot Number**	PBCQ
Gender	Male	**Number of Animal in Pool**	7
Date of Preparation	2011-10	**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

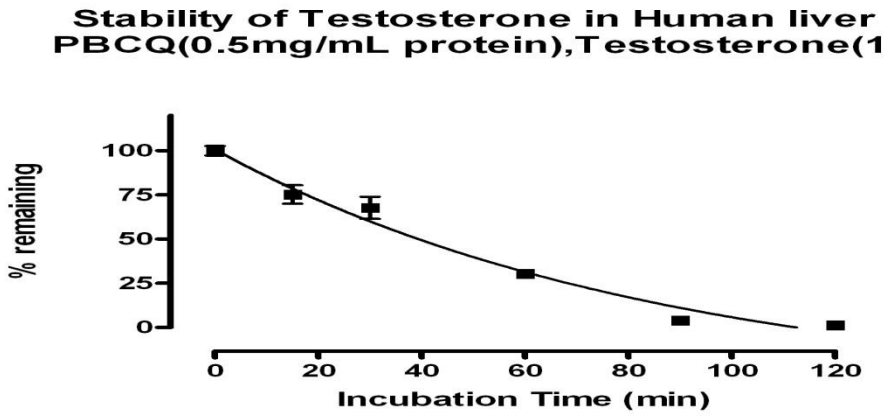
Phenotyping Reaction	Substrate (μM)	Enzyme activity (pmole/mg/min) Mean
Phenacetin deethylation	100	66.4
Coumarin 7-hydroxylation	25	24.4
Diclofenac 4'-hydroxylation	100	62.9
Tolbutamide 4-hydroxylation	200	4.32
S-mephenytoin 4'-hydroxylation	100	3.10
Dextromethorphan O-demethylation	12.5	13.7
Chlorzoxazone 6-hydroxylation	200	139
Testosterone 6β-hydroxylation	50	244
Midazolam 1'-hydroxylation	6.25	53.0

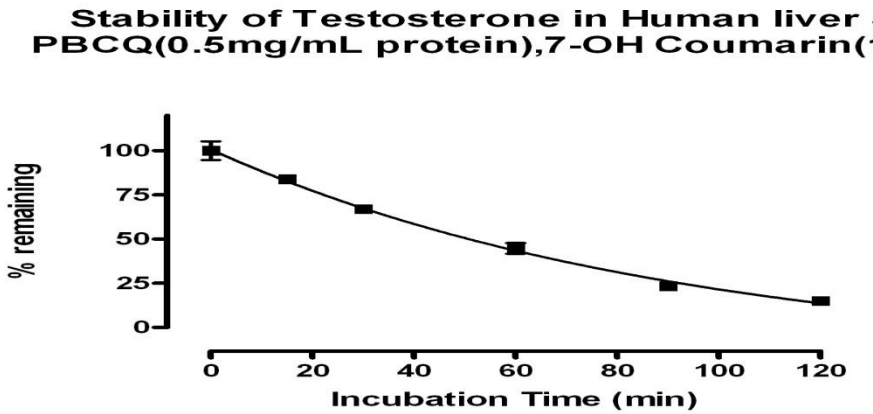
(3) *In vitro* intrinsic clearance

Probe Substrate	(μM)	$T_{1/2}$(min)	Clint(μL/min/mg protein)
Testosterone	1.0	18.5	75.1
7-OH Coumarin	1.0	43.0	32.2

(4) Figure

Address: 200 Niudon Road, Bld 5, ZhangjiangHiTech Park, Shanghai, 201203, China
Tel: +86-21-5080-5153; Fax: +86-21-5080-5152; Email: services@rild-biotech.com





Preparation by	Junhua Fan	Signature	Junhua Fan
Reviewedby	Yi Sun	Signature	Yi Sun
Approved by	Yuchang Mao	Signature	

TBD: To be determined

Address: 200 Niudon Road, Bld 5, ZhangjiangHiTech Park, Shanghai, 201203, China
Tel: +86-21-5080-5153; Fax: +86-21-5080-5152; Email: services@rild-biotech.com