

Canine Hepatocytes

PRIMACYT is now able to provide researchers with primary dog hepatocytes. Dog hepatocytes are obtained from male or female Beagles and will be available upon request. Dog hepatocytes may be cultured in HHMM (Human Hepatocyte Maintenance Medium), a serum-free culture medium containing Hepatocyte Growth Factor and Epidermal Growth Factor. Hepatocyte specific functions like urea synthesis and cytochrome P450 protein activities are maintained and/or remain inducible under these culture conditions (Fig. 1 and 2).

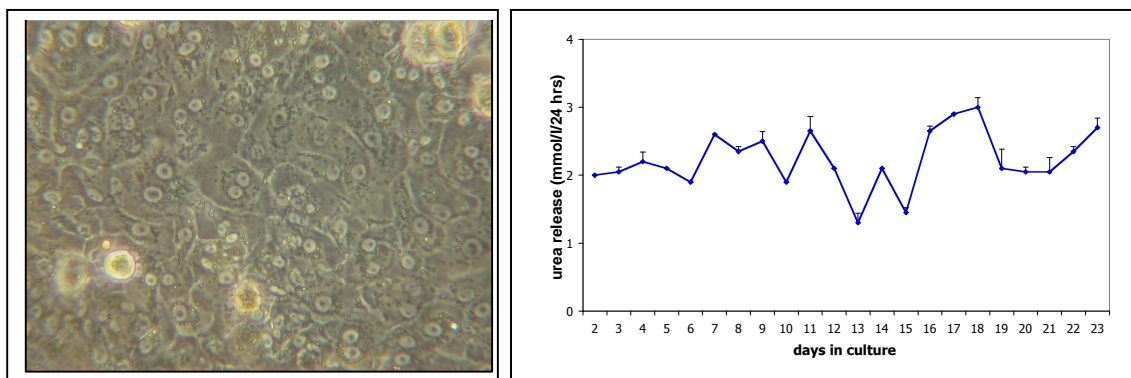


Fig 1: Dog hepatocytes at day 5 of culture (left panel) and urea release from day 2 to 23 in dog hepatocytes cultured with HHMM.

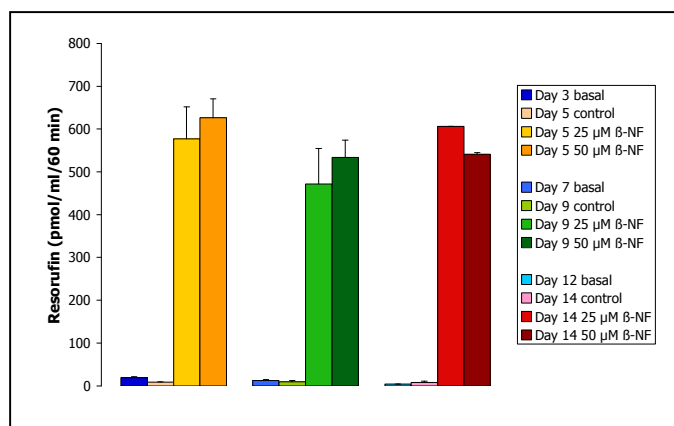


Fig 2: Induction of Ethoxyresorufin-O-deethylase (EROD) activity by β -Naphthoflavone (β -NF) in dog hepatocytes cultured with HHMM. Basal = basal activity in untreated hepatocytes. Control = hepatocytes cultured for 48 hours in the absence of β -NF. 25 μ M β -NF = hepatocytes cultured for 48 hours in the presence of 25 μ M β -NF. 50 μ M β -NF = hepatocytes cultured for 48 hours in the presence of 50 μ M β -NF.

Price list:

Product No.	Product		Price Euro	Introductory offer (ends 30.09.08)
Fresh Dog Hepatocytes				
DHS-01	Suspension	10 million viable cells	480,00	390,00
DHP-06	6 well plate collagen coated	1.2 million cells/well	420,00	340,00
DHP-12	12 well plate collagen coated	600.000 cells/well	420,00	340,00
DHP-24	24 well plate collagen coated	300.000 cells/well	420,00	340,00
DHP-96	96 well plate collagen coated	50.000 cells/well	420,00	340,00
Hepatocyte Maintenance Medium				
HHMM-500		500 ml	150,00	
Dog Liver Microsomes and S9 Fractions				
Dog-Mic		0.5 ml @ 20 mg/ml	58,80	
Dog-S9		1 ml @ 20 mg/ml	45,50	

Special configurations are available upon request. For research use only. Not for use in human diagnostics or therapeutics.

Prices are exclusive VAT and transportation.

Biohazard warning: Tissue fractions such as hepatocytes should be considered as potentially biohazardous, and should be treated as biohazards in the laboratory.

Dog hepatocytes are available every 4-6 weeks. For additional information of for placing an order please contact:

Phone: +49-(0)-385-3993-600

E-mail: info@primacyt.de