

Table SI.2. Effect of medium flow on hepatocyte gene expression

Gene	Dynamic ^a		Static ^a		Sandwich ^a		Collagen ^a		FIH	
	Percentage	SEM	Percentage	SEM	Percentage	SEM	Percentage	SEM	Percentage	SEM
Albumin	7.89	4.29	10.16	5.61	27.57*	5.71	12.19	3.96	100*	75.53
AAT	50.22	47.04	39.19	37.98	81.70	42.76	49.25	35.24	100	54.76
Factor V	15.43	4.54	12.74	4.78	53.99	29.55	15.45	4.61	100	52.25
Factor VII	7.03	4.48	5.78	4.53	14.02	5.95	5.90	3.53	100	41.70
CPS1	15.31	14.98	54.26	43.14	53.60	36.73	20.30	8.67	100	70.59
G6P	5.22	6.07	8.72	9.75	9.45	4.29	2.64	3.30	100*	53.00
PEPCK 1	7.03	8.14	1.26	1.09	2.94	2.33	1.26	0.72	100	27.50
GK	2.79	0.73	3.89	2.06	13.27*	4.05	13.80	15.94	100	63.82
PK-L	2.66	2.08	6.86	6.43	13.74	16.45	5.61	3.78	100	49.75
ApoF	0.77	0.71	2.49	2.30	4.84	2.42	2.14	1.85	100	61.70
ApoH	2.56	1.62	4.48	3.12	7.83	4.99	5.70	3.02	100*	42.05
HNF4a	82.51	23.73	70.16	20.95	97.03	42.76	78.14	28.45	100	61.81
C/EBPa	29.19	9.39	20.97	10.45	81.83	25.25	33.15	19.65	100	55.15

NQ: Not Quantifiable

NC: Not Calculable

*p<0.05 with respect to gene expression in dynamic conditions (n=6)

a. Dynamic and Static: see Fig 2. Sandwich and Collagen: standard conditions in collagen sandwich configuration or on collagen (0.8 x10⁶ cells per ml). See Experimental for detail.