Supplemental Data

Drug Metabolism and Disposition

Trapping of *cis*-2-butene-1,4-dial to measure furan metabolism in human liver microsomes by cytochrome P450 enzymes

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Supplemental Table 1. Activity of all microsomal preparations.[a]

Sample number[b]	**Microsome preparation**	**Furan Oxidation** pmol BDA/µg protein/min ± S.E.	**p-Nitrophenol oxidation** pmol *p*-nitrocatechol/µg protein/min ± S.E.
1	HLM 1	0.70 ± 0.03	0.30 ± 0.05
2	HLM 2	0.86 ± 0.12	0.23 ± 0.01
3	HLM 38	1.25 ± 0.03	0.21 ± 0.00
4	HLM 98	0.68 ± 0.15	0.36 ± 0.05
5	HLM 108	0.58 ± 0.03	0.40 ± 0.10
6	HLM 113	1.59 ± 0.14	0.35 ± 0.01
7	HLM 114	5.62 ± 0.01	1.93 ± 0.09
8	HLM 116	1.28 ± 0.01	0.42 ± 0.03
9	HLM 118	0.00 ± 0.00	0.01 ± 0.01
10	HLM 129	0.92 ± 0.17	0.20 ± 0.03
11	HLM 131	2.19 ± 0.28	0.61 ± 0.07
12	HLM 132	2.69 ± 0.57	0.40 ± 0.09
13	HLM 133	0.51 ± 0.07	0.13 ± 0.09
14	HLM 134	0.90 ± 0.12	0.34 ± 0.00
15	HLM 138	2.79 ± 0.02	0.31 ± 0.01
16	HLM 141	0.59 ± 0.08	0.25 ± 0.12
17	HLM 917	0.34 ± 0.00	0.17 ± 0.11
18	HLM 927	0.10 ± 0.00	0.21 ± 0.07
19	HLM 977	0.43 ± 0.00	0.24 ± 0.05
20	HLM 901-1	0.82 ± 0.11	0.11 ± 0.09
21	HLM 901-2	1.33 ± 0.06	0.94 ± 0.18
R	F344 rat	1.16 ± 0.05	0.24 ± 0.03
M	B6C3F$_1$ mouse	3.18 ± 0.20	0.73 (n=2)

[a]Furan (50 µM), 8 mM NAC and 8 mM NAL or *p*-nitrophenol (100 µM) were incubated with liver microsomes (0.5 mg/ml protein) in the presence of an NADPH regenerating system for 10 (furan) or 30 (*p*-nitrophenol) min at 37 °C. Each sample was run in triplicate.
[b]Labels for each preparation as indicated in Figures 4 and 6A.