

**Supplementary Table I: The variability of reported CL<sub>int</sub> values generated in human hepatocytes.**

<b><u>Drug</u></b>	<b><u>CL<sub>int</sub> values (ml/min/kg)</u></b>	<b><u>References</u></b>	<b><u>CV (%)</u></b>	<b><u>n</u></b>	<b><u>Largest fold difference</u></b>
Acetaminophen	3.59; 2.14; 2.76	3; 17; 20	25.7	3	1.68
Alprazolam	0.263; 1.82	8; 12		2	6.92
Caffeine	3.21; 3.75; 8.83	3; 14; 16	58.9	3	2.75
Carvedilol	297; 237; 196;	3; 16; 20	21.0	3	1.52
Chlorpheniramine	10.9; 3.89	16; 20		2	2.80
Chlorpromazine	684; 415; 642	3; 14; 20	24.9	3	1.65
Cimetidine	3.24; 35.1	16; 20		2	10.8
Clozapine	28.2; 11.0; 22.0; 27.9	3; 13; 16; 20	36.1	4	2.57
Codeine	63.5; 33.1	16; 19		2	1.92
Desipramine	62.6; 177; 48.2; 53.0	3; 14; 16; 20	72.0	4	3.67
Diazepam	5.71; 3.02; 24.3; 9.57; 6.66; 1.43; 6.38; 7.13	3; 8; 9; 12; 14; 16; 17; 20	87.6	8	17.0
Diclofenac	89.3; 49.2; 296; 128; 410; 51.9	3; 9; 10; 16; 18; 20	86.9	6	8.33
Diltiazem	52.8; 34.2; 33.5; 64.2; 167; 64.2; 48.5	3; 13; 14; 16; 17; 18; 20	69.7	7	4.99
Diphenhydramine	22.3; 7.44	16; 20		2	3.00
Fenoprofen	19.5; 11.4	3; 20		2	1.71
Flunitrazepam	1.05; 4.80	8; 12		2	4.55
Gemfibrozil	84.8; 177; 66.3; 3.50; 44.2	3; 10; 16; 19; 20	85.9	5	50.7
Glipizide	2.41; 2.68	3; 20		2	1.11
Granisetron	7.38; 26.6; 8.56	3; 16; 20	75.9	3	3.60
Ibuprofen	21.9; 11.5; 65.8; 18.3	3; 14; 18; 20	84.1	4	5.74
Imipramine	104; 104; 117; 114; 94.2	3; 13; 14; 16; 20	8.53	5	1.24

Irbesartan	39.1; 17.5; 22.7	3; 13; 20	42.7	3	2.23
Ketoprofen	6.15; 10.7; 9.90	3; 16; 20	27.2	3	1.74
Lorazepam	0.816; 3.02	14; 16		2	3.70
Methylprednisolone	5.61; 28.6; 6.50	3; 14; 20	96.1	3	5.11
Metoprolol	17.7; 12.3; 20.0; 20.0; 3.99	3; 13; 16; 18; 20	46.0	5	5.00
Midazolam	44.7; 11.1; 27.4; 35.3; 153; 19.5; 16.9; 39.1; 39.1	3; 8; 9; 11; 12; 14; 15; 16; 20	99.8	9	13.8
Naloxone	105; 167; 220; 77.3; 596; 589; 69.0	3; 10; 11; 14; 16; 19; 20	89.5	7	8.64
Naproxen	14.1; 5.64	16; 20		2	2.50
Nifedipine	25.0; 18.2; 42.3	14; 16; 20	43.5	3	2.32
Omeprazole	11.2; 5.02; 8.86	3; 16; 20	37.4	3	2.24
Ondansetron	5.25; 4.09; 2.92	3; 16; 20	28.6	3	1.80
Oxaprozin	4.37; 5.74	3; 20		2	1.31
Oxazepam	9.74; 5.90; 9.45	3; 14; 20	25.5	3	1.65
Phenacetin	13.8; 26.2; 5.75; 17.8	9; 13; 15; 20	53.6	4	4.57
Pindolol	5.93; 7.90; 5.64	3; 16; 20	19.0	3	1.40
Prazosin	13.4; 8.20; 6.28; 11.7	3; 13; 16; 20	32.7	4	2.13
Prednisolone	4.75; 27.1; 13.7	3; 14; 20	74.1	3	5.71
Propranolol	81.1; 44.8; 40.8; 15.9; 40.8; 40.8; 31.8	3; 13; 14; 15; 16; 18; 20	46.6	7	5.12
Quinidine	12.8; 18.1	3; 20		2	1.41
Ranitidine	3.78; 2.70; 4.33	3; 16; 20	22.9	3	1.60
Ritonavir	21.1; 13.8	3; 16		2	1.52

Sildenafil	37.4; 14.5; 22.6	3; 14; 20	46.7	3	2.58
Tenoxicam	6.96; 2.68	14; 20		2	2.60
Theophylline	2.68; 1.39	3; 14		2	1.92
Timolol	7.99; 11.7	3; 20		2	1.46
Tolbutamide	2.17; 4.95; 7.42; 3.40	3; 14; 18; 20	50.5	4	3.43
Triazolam	1.34; 10.3; 2.82	8; 11; 16	99.4	3	7.64
Verapamil	114; 54.3; 79.0; 88.9; 237; 64.2	3; 13; 14; 16; 18; 20	66.4	6	4.36
Zolpidem	9.85; 8.36	3; 20		2	1.18