

RT-PCR Fold Change in Male HSD Rats

C12005-01 Octrizole

Parameter ^a	Control	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg	Trend ^b
Kidney						
Havcr1	1.08 ± 0.21 (5)	3.19 ± 1.61 (5)	1.76 ± 0.81 (5)	0.84 ± 0.34 (5)	0.93 ± 0.57 (5)	0.045-
Liver						
Acot1	1.23 ± 0.39 (4)	1.08 ± 0.25 (5)	0.74 ± 0.24 (4)	0.77 ± 0.08 (5)	1.09 ± 0.38 (4)	0.402-
Acox1	1.00 ± 0.03 (5)	0.92 ± 0.08 (5)	0.77 ± 0.10 (5)	1.00 ± 0.04 (5)	0.87 ± 0.07 (5)	0.389-
Ccng1	1.00 ± 0.04 (5)	1.15 ± 0.11 (5)	1.30 ± 0.16 (5)	1.41 ± 0.06 (5) *	1.05 ± 0.06 (5)	0.315+
Cdkn1a	1.01 ± 0.08 (5)	0.73 ± 0.07 (5)	0.69 ± 0.16 (5)	1.07 ± 0.12 (5)	0.76 ± 0.04 (5)	0.566-
Cyp2b1	1.44 ± 0.62 (5)	1.53 ± 0.60 (5)	0.46 ± 0.16 (5)	2.05 ± 0.57 (5)	1.22 ± 0.30 (5)	0.738+
Cyp3a23/3a1	1.01 ± 0.06 (5)	0.96 ± 0.07 (5)	0.82 ± 0.17 (5)	1.11 ± 0.05 (5)	0.86 ± 0.05 (5)	0.364-
Cyp4a1	1.00 ± 0.04 (5)	1.11 ± 0.06 (5)	0.80 ± 0.14 (5)	1.13 ± 0.08 (5)	1.21 ± 0.19 (5)	0.389+
Gstm3	1.04 ± 0.15 (5)	1.15 ± 0.14 (5)	0.83 ± 0.30 (5)	1.31 ± 0.07 (5)	1.05 ± 0.19 (5)	0.738+
Nqo1	1.04 ± 0.14 (5)	0.98 ± 0.12 (5)	5.71 ± 2.75 (5)	1.35 ± 0.16 (5)	1.25 ± 0.11 (5)	0.166+

The RT-PCR fold change values were calculated from the base signal values using the 2^(-ΔΔ Ct) method.

Gapdh was used as the reference housekeeping gene.

a: Results shown as mean ± standard error (N)

b: Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

* Statistically significant at P ≤ 0.05

** Statistically significant at P ≤ 0.01

Liver Cyp1b1 gene was excluded from the analysis.