

Study Number: 108020007
Test Type: 5-Day Toxicity
Route: Whole-Body Inhalation
Species/Strain: Mouse/B6D2F1/Crl

PA06: Organ Weights Summary
Test Compound: 1,2-Dichlorobenzene
CAS Number: 95-50-1

Date Report Requested: 05/21/2025
Time Report Requested: 11:42:58
Lab: Battelle

Study Number: 108020007
Study Sex: Female
PWG Approval Date: See web page for date of PWG Approval
Version: v1.7.2
Stat Version: 2023.02.27S

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Females: Core Animals

	Treatment Groups (ppm)				
	0	1	10	30	100
Terminal Body Wt. (g)	20.3 ± 0.4 (10)	20.8 ± 0.5 (5)	21.3 ± 0.7 (5)	20.5 ± 0.5 (5)	21.0 ± 0.7 (5)
Heart					
Absolute (g)	0.12 ± 0.01 (10)	0.12 ± 0.01 (4)	0.12 ± 0.01 (5)	0.12 ± 0.01 (5)	0.13 ± 0.01 (5)
Relative (mg/g)	5.96 ± 0.21 (10)	5.46 ± 0.09 (4)	5.51 ± 0.19 (5)	5.74 ± 0.18 (5)	6.08 ± 0.17 (5)
R. Kidney					
Absolute (g)	0.13 ± 0.00 (9)	0.13 ± 0.00 (5)	0.13 ± 0.00 (5)	0.14 ± 0.01 (5)	0.13 ± 0.01 (5)
Relative (mg/g)	6.49 ± 0.13 (9) *	6.36 ± 0.13 (5)	6.21 ± 0.25 (5)	6.62 ± 0.20 (5)	6.38 ± 0.09 (5)
L. Kidney					
Absolute (g)	0.12 ± 0.01 (9)	0.13 ± 0.00 (5)	0.13 ± 0.00 (5)	0.12 ± 0.00 (5)	0.13 ± 0.01 (5)
Relative (mg/g)	6.14 ± 0.19 (9)	6.47 ± 0.27 (5)	6.20 ± 0.14 (5)	5.94 ± 0.18 (5)	6.29 ± 0.21 (5)
Liver					
Absolute (g)	0.94 ± 0.05 (10) **	0.96 ± 0.03 (5)	0.90 ± 0.03 (5)	0.92 ± 0.04 (5)	1.16 ± 0.05 (5) **
Relative (mg/g)	46.05 ± 1.74 (10) **	46.51 ± 1.52 (5)	42.45 ± 1.25 (5)	44.73 ± 0.75 (5)	55.36 ± 1.40 (5) **
Lung					
Absolute (g)	0.22 ± 0.02 (10)	0.21 ± 0.02 (5)	0.23 ± 0.01 (5)	0.23 ± 0.01 (5)	0.22 ± 0.01 (5)
Relative (mg/g)	10.65 ± 0.64 (10)	10.09 ± 0.74 (5)	10.84 ± 0.61 (5)	11.30 ± 0.57 (5)	10.30 ± 0.29 (5)

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	<u>Treatment Groups (ppm)</u>
	<u>250</u>
Terminal Body Wt. (g)	18.5 ± 0.4 (7) *
Heart	
Absolute (g)	0.11 ± 0.00 (7)
Relative (mg/g)	5.86 ± 0.19 (7)
R. Kidney	
Absolute (g)	0.13 ± 0.00 (7)
Relative (mg/g)	7.17 ± 0.17 (7) *
L. Kidney	
Absolute (g)	0.12 ± 0.00 (7)
Relative (mg/g)	6.72 ± 0.18 (7)
Liver	
Absolute (g)	1.41 ± 0.04 (7) **
Relative (mg/g)	76.01 ± 2.05 (7) **
Lung	
Absolute (g)	0.19 ± 0.01 (7)
Relative (mg/g)	10.43 ± 0.32 (7)

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight.

Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Statistical significance for the control group indicates a significant trend test.

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group.

* Statistically significant at $p \leq 0.05$

** Statistically significant at $p \leq 0.01$

Females from the control and treatment groups were removed on Study Day 5.

The following values were excluded as outliers: Relative and absolute heart weights from a single female from the 1 ppm group, and relative and absolute left and right kidney weights from a single female in the control group.

**** END OF REPORT ****