

**Study Number:** C20323-03  
**Test Type:** TOX  
**Route:** Oral Gavage  
**Species/Strain:** Rat/Wistar Han

**PA06: Organ Weights Summary**  
**Test Compound:** Resveratrol  
**CAS Number:** 501-36-0

**Date Report Requested:** 05/23/2019  
**Time Report Requested:** 11:05:00  
**Lab:** NTP

**C Number:**

C20323-03

**Study Gender:**

Both

**PWG Approval Date**

See web page for date of PWG Approval

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**F1 Males**

**Treatment Groups (mg/kg)**

	<b>0</b>	<b>78</b>	<b>156</b>	<b>312.5</b>	<b>625</b>
Terminal Body Wt.	391.9 ± 15.4 (5) *	374.3 ± 7.8 (5)	409.7 ± 9.1 (5)	383.0 ± 16.4 (5)	363.6 ± 20.2 (5)
Heart					
Absolute (g)	1.12 ± 0.03 (5)	1.18 ± 0.05 (5)	1.30 ± 0.07 (5) *	1.18 ± 0.02 (5)	1.09 ± 0.06 (5)
Relative (mg/g)	2.88 ± 0.06 (5)	3.15 ± 0.08 (5)	3.16 ± 0.10 (5)	3.10 ± 0.09 (5)	3.01 ± 0.05 (5)
R. Kidney					
Absolute (g)	1.24 ± 0.06 (5)	1.19 ± 0.05 (5)	1.36 ± 0.07 (5)	1.27 ± 0.07 (5)	1.15 ± 0.06 (5)
Relative (mg/g)	3.16 ± 0.07 (5)	3.19 ± 0.14 (5)	3.32 ± 0.19 (5)	3.31 ± 0.12 (5)	3.18 ± 0.12 (5)
Liver					
Absolute (g)	14.35 ± 0.79 (5)	14.01 ± 0.68 (5)	15.41 ± 0.53 (5)	14.03 ± 0.71 (5)	13.57 ± 0.75 (5)
Relative (mg/g)	36.58 ± 0.85 (5)	37.34 ± 1.20 (5)	37.61 ± 0.85 (5)	36.65 ± 1.24 (5)	37.28 ± 0.90 (5)
Lung					
Absolute (g)	2.11 ± 0.06 (5)	2.15 ± 0.15 (5)	2.30 ± 0.09 (5)	2.39 ± 0.16 (5)	2.20 ± 0.20 (5)
Relative (mg/g)	5.40 ± 0.14 (5)	5.73 ± 0.31 (5)	5.62 ± 0.18 (5)	6.32 ± 0.30 (5)	6.06 ± 0.41 (5)
R. Testis					
Absolute (g)	1.843 ± 0.038 (5)	1.781 ± 0.044 (5)	1.898 ± 0.065 (5)	1.744 ± 0.109 (5)	1.874 ± 0.051 (5)
Relative (mg/g)	4.72 ± 0.16 (5)	4.76 ± 0.10 (5)	4.64 ± 0.14 (5)	4.56 ± 0.18 (5)	5.23 ± 0.20 (5)
Thymus					
Absolute (g)	0.436 ± 0.030 (5)	0.458 ± 0.023 (5)	0.470 ± 0.021 (5)	0.470 ± 0.023 (5)	0.492 ± 0.036 (5)
Relative (mg/g)	1.11 ± 0.07 (5)	1.22 ± 0.07 (5)	1.15 ± 0.05 (5)	1.23 ± 0.06 (5)	1.35 ± 0.02 (5) *

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**F1 Males**

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	<b>Treatment Groups</b>		
	<b>1250</b>		
Terminal Body Wt.	356.5	± 6.4	(5)
Heart			
Absolute (g)	1.11	± 0.02	(5)
Relative (mg/g)	3.13	± 0.06	(5)
R. Kidney			
Absolute (g)	1.21	± 0.07	(5)
Relative (mg/g)	3.38	± 0.16	(5)
Liver			
Absolute (g)	13.69	± 0.31	(5)
Relative (mg/g)	38.37	± 0.45	(5)
Lung			
Absolute (g)	2.10	± 0.14	(5)
Relative (mg/g)	5.92	± 0.45	(5)
R. Testis			
Absolute (g)	1.768	± 0.054	(5)
Relative (mg/g)	4.96	± 0.11	(5)
Thymus			
Absolute (g)	0.381	± 0.028	(5)
Relative (mg/g)	1.07	± 0.09	(5)

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**F1 Females**

**Treatment Groups (mg/kg)**

	<b>0</b>	<b>78</b>	<b>156</b>	<b>312.5</b>	<b>625</b>
Terminal Body Wt.	226.0 ± 7.3 (5)	242.9 ± 12.3 (5)	230.0 ± 11.4 (5)	227.3 ± 3.8 (5)	219.2 ± 6.6 (5)
Heart					
Absolute (g)	0.79 ± 0.03 (5)	0.85 ± 0.03 (5)	0.85 ± 0.05 (5)	0.81 ± 0.01 (5)	0.78 ± 0.03 (5)
Relative (mg/g)	3.49 ± 0.08 (5)	3.49 ± 0.08 (5)	3.69 ± 0.04 (5)	3.56 ± 0.05 (5)	3.58 ± 0.07 (5)
R. Kidney					
Absolute (g)	0.83 ± 0.04 (5)	0.88 ± 0.04 (5)	0.87 ± 0.04 (5)	0.84 ± 0.03 (5)	0.82 ± 0.03 (5)
Relative (mg/g)	3.67 ± 0.09 (5)	3.63 ± 0.12 (5)	3.77 ± 0.10 (5)	3.68 ± 0.14 (5)	3.77 ± 0.15 (5)
Liver					
Absolute (g)	8.50 ± 0.33 (5)	8.99 ± 0.45 (5)	9.13 ± 0.58 (5)	8.50 ± 0.30 (5)	8.49 ± 0.45 (5)
Relative (mg/g)	37.54 ± 1.00 (5) *	37.04 ± 0.51 (5)	39.56 ± 0.75 (5)	37.43 ± 1.27 (5)	38.62 ± 0.99 (5)
Lung					
Absolute (g)	1.60 ± 0.05 (5)	1.74 ± 0.14 (5)	1.73 ± 0.14 (5)	1.74 ± 0.07 (5)	1.76 ± 0.15 (5)
Relative (mg/g)	7.15 ± 0.21 (5)	7.15 ± 0.34 (5)	7.56 ± 0.68 (5)	7.67 ± 0.39 (5)	8.01 ± 0.51 (5)
Thymus					
Absolute (g)	0.340 ± 0.026 (5)	0.421 ± 0.027 (5)	0.356 ± 0.018 (5)	0.371 ± 0.020 (5)	0.364 ± 0.014 (5)
Relative (mg/g)	1.51 ± 0.13 (5)	1.74 ± 0.10 (5)	1.55 ± 0.06 (5)	1.63 ± 0.09 (5)	1.66 ± 0.03 (5)

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**F1 Females**

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	<b>Treatment Groups</b>		
	<b>1250</b>		
Terminal Body Wt.	225.0	± 4.0	(5)
Heart			
Absolute (g)	0.81	± 0.03	(5)
Relative (mg/g)	3.60	± 0.11	(5)
R. Kidney			
Absolute (g)	0.81	± 0.02	(5)
Relative (mg/g)	3.59	± 0.12	(5)
Liver			
Absolute (g)	9.04	± 0.20	(5)
Relative (mg/g)	40.24	± 0.91	(5)
Lung			
Absolute (g)	1.58	± 0.05	(5)
Relative (mg/g)	7.02	± 0.12	(5)
Thymus			
Absolute (g)	0.348	± 0.027	(5)
Relative (mg/g)	1.54	± 0.10	(5)

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## LEGEND

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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 of weight data with litter-mates was performed by linear mixed models, with dam ID as random effect for both trend and pairwise analysis, and using Dunnett-Hsu adjustment for pairwise comparisons.

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  $P \leq 0.01$

**\*\* END OF REPORT \*\***