C Number:	IMM20704
Study Gender:	Male
PWG Approval Date	See web page for date of PWG Approval

Study Number: IMM20704
Test Type: TOX
Route: Oral Gavage
Species/Strain: Mouse/B6C3F1/N

M07: TDAR SRBC: Spleen AFC
Test Compound: Resveratrol
CAS Number: 501-36-0

Date Report Requested: 03/20/2020
Time Report Requested: 07:04:23
Lab: NTP

Males: Study 1

	Treatment Groups (mg/kg/day)			
	0	**156**	**312**	**625**
Spleen Weight (g)	0.0814 ± 0.0032 (8)	0.0857 ± 0.0041 (8)	0.0854 ± 0.0049 (8)	0.0853 ± 0.0021 (8)
Spleen Cells (x10^6)	226.50 ± 25.70 (8) *	205.28 ± 12.83 (8)	182.85 ± 10.62 (8)	172.84 ± 6.76 (8)
AFC/10^6 Spleen Cells	1006.7 ± 72.9 (8)	1707.0 ± 97.5 (8) **	1367.9 ± 221.4 (8)	1569.9 ± 216.9 (8)
AFC/Spleen (x10^2)	2263.5 ± 278.5 (8)	3517.9 ± 306.4 (8)	2495.3 ± 448.2 (8)	2745.0 ± 399.3 (8)

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Males: Study 1

	Treatment Groups (mg/kg/day)		
	1250	**2500**	**50 mg/kg CPS**
Spleen Weight (g)	0.0811 ± 0.0025 (7)	0.0867 ± 0.0016 (6)	0.0355 ± 0.0018 (8) **
Spleen Cells (x10^6)	152.74 ± 6.86 (7) *	185.60 ± 8.82 (6)	39.86 ± 2.59 (8) **
AFC/10^6 Spleen Cells	1348.9 ± 138.6 (7)	1333.9 ± 71.5 (6)	4.0 ± 0.7 (8) **
AFC/Spleen (x10^2)	2013.4 ± 135.4 (7)	2467.5 ± 151.4 (6)	1.5 ± 0.3 (8) **

Study Number: IMM20704
Test Type: TOX
Route: Oral Gavage
Species/Strain: Mouse/B6C3F1/N

M07: TDAR SRBC: Spleen AFC
Test Compound: Resveratrol
CAS Number: 501-36-0

Date Report Requested: 03/20/2020
Time Report Requested: 07:04:23
Lab: NTP

Males: Study 5

	Treatment Groups (mg/kg/day)			
	0	**156**	**312**	**625**
Spleen Weight (g)	0.0854 ± 0.0022 (8)	0.0828 ± 0.0037 (8)	0.0897 ± 0.0033 (6)	0.0894 ± 0.0019 (8)
Spleen Cells (x10^6)	171.49 ± 5.57 (8)	168.30 ± 7.72 (8)	179.00 ± 5.52 (6)	164.44 ± 6.86 (8)
AFC/10^6 Spleen Cells	1430.3 ± 125.4 (8)	1195.3 ± 142.0 (8)	1428.7 ± 80.2 (6)	1432.8 ± 158.3 (8)
AFC/Spleen (x10^2)	2436.8 ± 201.6 (8)	2056.8 ± 285.9 (8)	2556.0 ± 156.2 (6)	2338.9 ± 261.9 (8)

Study Number: IMM20704
Test Type: TOX
Route: Oral Gavage
Species/Strain: Mouse/B6C3F1/N

M07: TDAR SRBC: Spleen AFC
Test Compound: Resveratrol
CAS Number: 501-36-0

Date Report Requested: 03/20/2020
Time Report Requested: 07:04:23
Lab: NTP

Males: Study 5

	Treatment Groups (mg/kg/day)		
	1250	**2500**	**50 mg/kg CPS**
Spleen Weight (g)	0.0849 ± 0.0033 (8)	0.0884 ± 0.0038 (8)	0.0375 ± 0.0015 (8) **
Spleen Cells (x10^6)	174.56 ± 6.37 (8)	175.13 ± 4.61 (8)	51.79 ± 3.49 (8) **
AFC/10^6 Spleen Cells	1049.4 ± 127.5 (8)	1309.1 ± 70.3 (8)	0.8 ± 0.3 (8) **
AFC/Spleen (x10^2)	1864.1 ± 270.4 (8)	2301.8 ± 162.7 (8)	0.4 ± 0.2 (8) **

LEGEND

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

Statistical analysis performed by Jonckheere (trend) and then a pairwise test. Williams/Dunnett pairwise tests are used for organ weights, Shirley/Dunn pairwise tests are used for all other endpoints.

Statistical analysis for the positive control group compared to the vehicle control group was performed using the Kruskal-Wallis test.

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 <= 0.05

** Statistically significant at P <= 0.01

TDAR - T-Dependent Antibody Response; SRBC - Sheep Red Blood Cells; AFC - Antibody-Forming Cells

CPS = Cyclophosphamide

** END OF REPORT **