

Online Supporting Material

Supplemental Table 1: Diet Composition^{1,2}

Ingredient	Control	MS	Ingredient	Control	MS
L-Arginine, <i>g/kg</i>	4.02	4.02	K ₂ SO ₄ , <i>g/kg</i>	1.63	1.63
L-Arginine HCl, <i>g/kg</i>	13.9	13.9	Ferric Citrate, <i>mg/kg</i>	212	212
L-Asparagine, <i>g/kg</i>	6.90	6.90	ZnCO ₃ , <i>mg/kg</i>	57.8	57.8
L-Aspartic Acid, <i>g/kg</i>	4.02	4.02	MnCO ₃ , <i>mg/kg</i>	22.1	22.1
L-Cystine, <i>g/kg</i>	2.50	2.50	KIO ₃ , <i>mg/kg</i>	0.350	0.350
L-Glutamic Acid, <i>g/kg</i>	46.0	46.0	Na ₂ SeO ₄ , <i>mg/kg</i>	0.361	0.361
Glycine, <i>g/kg</i>	26.8	26.8	(NH ₄) ₆ Mo ₇ O ₂₄ ·4H ₂ O, <i>mg/kg</i>	0.280	0.280
L-Histidine HCl, H ₂ O, <i>g/kg</i>	5.17	5.17	Na ₂ SiO ₃ ·9H ₂ O, <i>mg/kg</i>	50.8	50.8
L-Isoleucine, <i>g/kg</i>	9.43	9.43	LiCl, <i>mg/kg</i>	0.609	0.609
L-leucine, <i>g/kg</i>	12.8	12.8	Boric Acid, <i>mg/kg</i>	2.85	2.85
L-Lysine HCl, <i>g/kg</i>	20.7	20.7	NaF, <i>mg/kg</i>	2.22	2.22
L-Methionine, <i>g/kg</i>	4.30	11.8	NH ₄ VO ₃ , <i>mg/kg</i>	0.231	0.231
L-Phenylalanine, <i>g/kg</i>	8.63	8.63	2NiCO ₃ ·3Ni(OH) ₂ ·		
L-Proline, <i>g/kg</i>	4.02	4.02	4H ₂ O, <i>mg/kg</i>	1.11	1.11
L-Serine, <i>g/kg</i>	4.02	4.02	Niacin, <i>mg/kg</i>	45.0	45.0
L-Threonine, <i>g/kg</i>	9.40	9.40	Calcium Pantothenate,		
L-Tryptophan, <i>g/kg</i>	2.07	2.07	<i>mg/kg</i>	24.0	24.0
L-Tyrosine, <i>g/kg</i>	5.75	5.75	Pyridoxine HCl, <i>mg/kg</i>	10.5	10.5
L-Valine, <i>g/kg</i>	9.43	9.43	Thiamin HCl, <i>mg/kg</i>	9.00	9.00
Sucrose, <i>g/kg</i>	350	350	Riboflavin, <i>mg/kg</i>	9.00	9.00
Corn Starch, <i>g/kg</i>	150	150	Folic Acid, <i>mg/kg</i>	3.00	13.5
Maltodextrin,			Biotin, <i>mg/kg</i>	0.300	0.300
Lo-Dex 10, <i>g/kg</i>	150	150	Vitamin B-12		
Cellulose (Solka Floc)-			(0.1% in mannitol), <i>g/kg</i>	0.0625	1.56
non-Nutritive Fiber, <i>g/kg</i>	30.0	30.0	α-tocopherol acetate		
Soybean Oil, <i>g/kg</i>	80.0	80.0	(500 IU/g)	225	225
Ca(H ₂ PO ₄) ₂ ·H ₂ O, <i>g/kg</i>	8.20	8.20	Vitamin A Palmitate		
CaCO ₃ , <i>g/kg</i>	13.5	13.5	(500,000 IU/g)	12.0	12.0
MgO, <i>g/kg</i>	1.95	1.95	Cholecalciferol		
CuCO ₃ , <i>g/kg</i>	25.7	25.7	(500,000 IU/g)	3.00	3.00
FeSO ₄ ·7H ₂ O, <i>mg/kg</i>	210	210	Phylloquinone	1.12	1.12
Na ₂ SeO ₃ (0.044%			Betaine, anhydrous, <i>mg/kg</i>	0	15.0
in sucrose), <i>g/kg</i>	1.25	1.25	Choline Chloride, <i>g/kg</i>	1.35	19.4
ZnSO ₄ ·7H ₂ O, <i>mg/kg</i>	0	720	TBHQ, antioxidant, <i>mg/kg</i>	20.0	20.0
KH ₂ PO ₄ , <i>g/kg</i>	8.75	8.75			
Potassium Citrate, <i>mg/kg</i>	980	980			
NaCl, <i>g/kg</i>	2.59	2.5			

¹Diets are modifications of TD.99366.

²Diet ingredient concentrations are presented to 3 significant digits. More precisely defined concentrations are available from Harlan Teklad.