

SUPPLEMENTARY TABLE 1

Composition of Purified Diets

Diet ^a	D07030301	D07030304 (+Soy Protein)	D09080401 (+Genistein)	D09080402 (+Daidzein)
Ingredient (g/kg)				
casein, 80 mesh	177	0	177	177
soy protein ^b , SUPRO® 661	0	177	0	0
DL-methionine	0	2.9	0	0
L-cystine	2.9	0	2.9	2.9
corn starch	423	423	423	423
maltodextrin 10	122.7	122.7	122.7	122.7
Inulin	24.5	24.5	24.5	24.5
cellulose, BW200	73.6	73.6	73.6	73.6
soybean oil	115.8	115.8	115.8	115.8
choline bitartrate	2	2	2	2
mineral mix S10026B ^c	49.1	49.1	49.1	49.1
vitamin mix V10001 ^d	9.8	9.8	9.8	9.8
genistein	0	0	0.750	0
daidzein	0	0	0	0.750
dye ^e	0	0.05	0.05	0.05

^aPurified diets were formulated by Research Diets, Inc. (New Brunswick, NJ), catalog numbers: purified diet (D07030301), purified diet with soy protein substituted for casein protein (D07030304), purified diet supplemented with genistein (D09080401) and purified diet supplemented with daidzein (D09080402).

^bSolae isolated soy protein, SUPRO® 661.

^cMineral mix ingredients (g/kg): calcium phosphate, dibasic, 29.5% calcium, 22.8% phosphate (260 g); calcium carbonate, 39.3% calcium (110 g); potassium citrate, 1 H₂O, 36.2% potassium (330 g); sodium chloride, 39.3% sodium, 60.7% chlorine (51.8 g); magnesium oxide, 60.3% magnesium (8.38 g); magnesium sulfate, 7 H₂O, 9.87% magnesium, 13.0% sulfur (51.52 g); chromium K sulfate, 12 H₂O, 10.4% chromium (385 mg); cupric carbonate, 57.5% copper (210 mg); sodium fluoride, 45.2% fluoride (40 mg); potassium iodate, 59.3% iodine (7 mg); ferric citrate, 21.2% iron (4.2 g); manganous carbonate, 47.8% manganese (2.45 g); ammonium molybdate, 4 H₂O, 54.3% molybdenum (60 mg); sodium selenite, 45.7% selenium (7 mg); zinc carbonate, 52.1% zinc (1.12 g); and sucrose (179.821 g) to 1 kg.

^dVitamin mix ingredients (g/kg): vitamin A palmitate, 500,000 IU/g (0.8 g), vitamin D₃, 100,000 IU/g (1.0 g), vitamin E acetate, 500 IU/g (10.0 g), menadione sodium bisulfite, 62.5% menadione (80 mg), biotin, 1.0% (2.0 g), cyanocobalamin, 0.1% (1.0 g), folic acid (0.2 g), nicotinic acid (3.0 g), calcium pantothenate (1.6 g), pyridoxine-HCl (0.7 g), riboflavin (0.6 g), thiamin HCl (0.6 g) and sucrose (978.42 g) to 1 kg.

^eDiets were colored with FD&C red dye #40 (D07030304 and D09080401) or with FD&C blue dye #1 (D09080402).