

Supplement Table 2. Composition of the four diets.

	AIN76A		AIN76A + mineral supplement		HFWD		HFWD + mineral supplement	
	gm%	kcal%	gm%	kcal%	gm%	kcal%	gm%	kcal%
Protein	20.3	20.8	19.1	20.8	24.4	20.5	22.9	20.5
Carbohydrate	66	67.7	66	67.7	48.5	41.8	45.7	41.8
Fat	5	11.5	5	11.5	20	37.8	18.8	37.8
Total	91.3	100	86	100	92.9	100	87.5	100
kcal/gm	3.9		3.67		4.76		4.49	

INGREDIENTS	gm	kcal	gm	kcal	gm	kcal	gm	kcal
Casein (80 Mesh)	200	800	200	800	240	960	240	960
DL-Methionine	3	12	3	12	0	0	0	0
L-Cystine	0	0	0	0	3.6	14	3.6	14
Corn starch	150	600	150	600	100	400	100	400
Maltodextrin 10	0	0	0	0	75	300	75	300
Sucrose	500	2000	500	2000	310.418	1242	310.418	1242
Cellulose (BW200)	50	0	50	0	20	0	20	0
Corn oil	50	450	50	450	200	1800	200	1800
Ethoxyquin	0.01	0	0.01	0	0.01	0	0.01	0
Mineral Mix for AIN76A ^a	35	0	35	0	0	0	0	0
AIN76 Salt Mix (without Calcium Phosphate) ^b	0	0	0	0	21	0	21	0
Monosodium phosphate	0	0	0	0	7.98	0	7.98	0
Monopotassium phosphate	0	0	0	0	7.91	0	7.91	0
Calcium carbonate (40% calcium)	0	0	0	0	0.88	0	0.88	0
Mineral supplement (12% calcium)	0	0	62	0	0	0	62	0
Vitamin Mix for AIN76A	10	40	10	40	0	0	0	0
AIN76A Vitamin Mix (without Vitamin D3 or Folic Acid)	0	0	0	0	12	48	12	48
Choline bitartrate	2	0	2	0	1.2	0	1.2	0
Folic acid	0	0	0	0	0.00023	0	0.00023	0
Vitamin D3 (100,000 IU/g)	0	0	0	0	0.0012	0	0.0012	0
TOTAL	1000.01	3902	1062.06	3902	1000.05	4764	1062.05	4764

^a Amount of essential minerals in mineral mix for low fat diets with/without multi-mineral supplement: calcium phosphate dibasic 5.2 gm/kg (29.5%Ca, 22.8% P), magnesium oxide 0.5 gm/kg (60.3% Mg), chromium potassium sulfate 2 mg/kg (10.4% Cr), cupric carbonate 6 mg/kg (57.5% Cu), ferric citrate 45 mg/kg (21.2% Fe), manganous carbonate 59 mg/kg (47.8% Mn), sodium selenite 0.16 mg/kg (45.7%), zinc carbonate 29 mg/kg (52.1% Zn).

^b Amount of essential minerals in mineral mix for Western-style diets with/without multi-mineral supplement: magnesium oxide 0.5 gm/kg (60.3% Mg), chromium potassium sulfate 2 mg/kg (10.4% Cr), cupric carbonate 6 mg/kg (57.5% Cu), ferric citrate 45 mg/kg (21.2% Fe), manganous carbonate 59 mg/kg (47.8% Mn), sodium selenite 0.16 mg/kg (45.7%), zinc carbonate 29 mg/kg (52.1% Zn).