

Supplement Table 2. Composition of the four diets

	AIN76A		AIN76A+Aquamin		HFWD		HFWD+Aquamin	
	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	3.90		3.67		4.76		4.49	

INGREDIENTS	gm	kcal	gm	kcal	gm	kcal	gm	kcal
Casein ^a	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	1242	310	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 ^b	35	0	35	0	0	0	0	0
Mineral Mix (without Calcium Phosphate) ^c	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	0	0	0	0	0.88	0	0.88	0
Aquamin [®] Soluble (Supplement Table 1)	0	0	62	0	0	0	62	0
Vitamin Mix for AIN76A	10	40	10	40	0	0	0	0
Vitamin Mix (without Vit. 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	3902	1062	3902	1000	4764	1062	4764

^aAmount of essential minerals in Casein added to all diets (amount per 100 gm of Casein): calcium (25 mg), magnesium (2 mg), copper (0.01 mg), Iron (0.4 mg), manganese (0.014 mg), potassium (2.5 mg), selenium (0.03 mg), sodium (5.2 mg), zinc (4.2mg).

^bAmount of essential minerals in mineral mix for low fat diets with/without mineral supplement (used at 35 gm/kg diet): calcium (5.2 gm), magnesium (0.5 gm), chromium (2 mg), copper (6 mg), Iron (45 mg), manganese (59 mg), potassium (3.6 g), selenium (0.16 mg), sodium (1.0 gm), zinc (29 mg).

^cAmount of essential minerals in mineral mix for western-style diets with/without mineral supplement (used at 21 gm/kg): magnesium (0.6 gm), chromium (2.4 mg), copper (7.2 mg), Iron (54 mg), manganese (71 mg), potassium (4.3 g), selenium (0.19 mg), sodium (1.2 gm), zinc (35 mg).

Diets were formulated by Research Diets Incorporated (New Brunswick, NJ).