

**SUPPLEMENTAL TABLE 1:**

Diet composition (Research Diets, New Brunswick, NJ).

Product #	LFD		RP-KD		LP-KD	
	#D10053101		#D10060602		#D10060601	
	gm	kcal	gm	kcal	gm	kcal
Protein	13.4	13	21.6	13	8,9	5
Carbohydrate	72.4	77	0	0	0	0
Fat	4.0	10	61.5	87	72.8	95
Total	89.8	100	83.1	100	81.7	100
kcal/gm	3.77		6.36		6.89	
<b>Ingredients</b>	<b>gm</b>	<b>kcal</b>	<b>gm</b>	<b>kcal</b>	<b>gm</b>	<b>kcal</b>
Casein , 30 Mesh	70	252	82.6	297	31.0	112
L-Cystine	2	8	3.1	12	1.2	5
Isoleucine	3	12	3.2	13	1.2	5
Leucine	5.4	22	5.8	23	2.2	9
Lysine	4.6	18	4.9	20	1.9	8
Methionine	1.6	6	1.7	7	0.7	3
Phenylalanine	3.1	12	3.3	13	1.3	5
Threonine	2.3	9	2.5	10	1	4
Tryptophan	0.7	3	0,8	3	0.3	1
Valine	3.5	14	3.8	15	1.5	6
Histidine	1.6	6	1.7	7	0.7	3
Alanine	1.6	6	1.7	7	0.7	3
Arginine	2.2	9	2.4	10	0.9	4
Aspartic Acid	4	16	4.3	17	1.7	7
Glutamic Acid	12.9	52	13.9	56	5.3	21
Glycine	1.1	4	1.2	5	0.5	2
Proline	7.2	29	7.7	31	3	12
Serine	3.3	13	3.6	14	1.4	6
Tyrosine	3.3	13	3.5	14	1.3	5
Corn Starch	485.7	1943	0	0	0	0
Maltodextrin 10	125	500	0	0	0	0
Sucrose	100	400	0	0	0	0
Cellulose, BW200	50	0	58.6	0	58.6	0
Butter anhydrous	30	270	423	3807	462.5	4163
Soybean oil	10	90	10	90	10	90
Mineral Mix S10022G	35.0	0	41	0	41	0
Mineral Mix S10022M	10	0	11.7	0	11.7	0
Sodium Bicarbonate	3.5	0	3.5	0	3.5	0
Vitamin Mix V10037	10	40	0	0	0	0
Vitamin Mix V10037C	0	0	1.17	5	1.17	5
Choline Bitartrate	2.5	0	2.9	0	2.9	0
FD&C Yellow Dye #5	0.05	0	0	0	0.05	0
FD&C Blue Dye #1	0	0	0.05	0	0	0
<b>Total</b>	<b>995.15</b>	<b>3748</b>	<b>703.62</b>	<b>4475</b>	<b>649.22</b>	<b>4476</b>