

Table 1. Diet composition

Formula	Low fat diet (LFD)	Serine/Glycine free LFD (-SG LFD)	High fat diet (HFD)	Serine/Glycine free HFD (-SG HFD)
Kcal/g	3.6	3.5	5.1	5.1
Protein (% cal from)	17.2	17.5	12.0	12.2
CHO (% cal from)	72.7	72.3	28.1	27.3
Fat (% cal from)	10.1	10.2	59.8	60.5
Alanine (g/kg)	3.5	6.123	3.5	6.123
Arginine (g/kg)	12.1	12.1	12.1	12.1
Asparagine (g/kg)	6.0	10.496	6.0	10.496
Aspartic Acid (g/kg)	3.5	6.123	3.5	6.123
Cystine (g/kg)	3.5	3.5	3.5	3.5
Glutamic Acid (g/kg)	40.0	69.976	40.0	69.976
Glycine (g/kg)	23.3	--	23.3	--
Histidine (g/kg)	4.5	4.5	4.5	4.5
Isoleucine (g/kg)	8.0	8.0	8.0	8.0
Leucine (g/kg)	12.0	12.0	12.0	12.0
Lysine (g/kg)	18.0	18.0	18.0	18.0
Methionine (g/kg)	8.2	8.2	8.2	8.2
Phenylalanine (g/kg)	7.5	7.5	7.5	7.5
Proline (g/kg)	3.5	6.123	3.5	6.123
Serine (g/kg)	3.5	--	3.5	--
Threonine (g/kg)	8.2	8.2	8.2	8.2
Tryptophan (g/kg)	1.8	1.8	1.8	1.8
Tyrosine (g/kg)	5.0	5.0	5.0	5.0
Valine (g/kg)	8.0	8.0	8.0	8.0
Sucrose (g/kg)	90.0	90.0	100.0	100.0
Corn Starch (g/kg)	465.0	449.359	99.38	83.839
Maltodextrin (g/kg)	129.042	129.042	150.0	150.0
Soybean Oil (g/kg)	20.0	20.0	310.0	310.0
Lard (g/kg)	20.0	20.0	30.0	30.0