

Table 1 Diet formula composition

Ingredients	Casein diet LFD (Control) g/kg	High-fat casein diet (HFC) g/kg	High-fat fish protein diet (HFF) g/kg	High-fat mutton protein diet (HFM) g/kg
Protein Powder,80 Mesh	187.01	260.44	261.5	260.58
L-Cystine	2.843	3.876	3	3
Corn Starch	469.737	0	0	0
Maltodextrin 10	118.47	161.53	161.53	161.53
Sucrose	65.21	88.90	88.90	88.90
Cellulose,BW200	47.39	64.61	64.61	64.61
Soybean oil	23.695	32.30	32.30	32.30
Lard	18.956	316.59	316.59	316.59
Mineral Mix S10026	11.308	10.94	10.32	10.32
DiCalcium Phosphate	12.819	11.535	13	13
Calcium Carbonate	9.85	12.5	12.5	12.5
Potassium Citrate, 1H ₂ O	21.2	21.16	20.18	21.05
Vitamin Mix V10001	9.47	12.92	12.92	12.92
Choline Bitartrate	1.895	2.58	2.58	2.58
FD&C Yellow Dye #5	0.047	0	0	0
FD&C Blue Dye #1	0	0.064	0.064	0.064
Total	1000	1000	1000	1000
Calories(kcal/g)				
Protein	20%	20%	20%	20%
Carbohydrate	70%	20%	20%	20%
Fat	10%	60%	60%	60%
Total	100	100	100	100

Table 2. Histological assessment

Definition		Glx-/-			
		Control	HFC	HFF	HFM
NAFLD activity score	Necrosis	6	10	9	10
	Inflammation	8	10	10	10
	Denaturation	10	10	10	10
	Bleeding	0	0	0	0
Hepatocyte ballooning	None	8	0	1	0
	Few balloon cells	2	4	7	4
	Prominent ballooning	0	6	2	6
Steatosis grade	Low-to-medium power evaluation of parenchymal involvement by steatosis < 5%	9	1	4	0
	5% - 33%	1	7	5	8
	> 33% - 66%	0	2	1	2
	> 66%	0	0	0	0
Lobular Inflammation	Overall assessment of all inflammatory foci				
	No foci	7	1	4	0
	< 2 foci per 200× field	3	4	4	5
	2-4 foci per 200× field	0	4	2	4
	>4 foci per 200× field	0	1	0	1