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TECHNICAL INFORMATION

Catalog Number: 02960467

40 Kcal% High Fat Diet with 1.25% Cholesterol and 0.5% Sodium cholate

Description: Atherosclerosis is a complex chronic disease characterized by the accumulation of lipids within arterial walls that eventually go on to form plaques, which can cause narrowing, hardening, and/or complete blockage of arteries. One well known risk factor in humans is hypercholesterolemia and low-density lipoprotein cholesterol, and other important contributors to this disease include inflammation, oxidative stress, and insulin resistance. Diets with high fat and cholesterol have been linked to elevations in circulating cholesterol levels. The use of high fat and cholesterol diets for promoting atherosclerosis in animal models has been a valuable tool for both gaining more understanding of this disease and testing therapies that can potentially reverse it. The presence of cholic acid aids cholesterol and fat absorption, and also suppresses conversion of cholesterol to bile acids. It reduces removal cholesterol and increases cholesterol levels which allows atherosclerosis induction to occur in susceptible mouse strains.

Composition:

<i>Ingredient</i>	<i>Amount</i>
Casein	22.18%
L-Cystine	0.33%
Cornstarch	23.51%
Maltodextrin	7.87%
Sucrose	12.53%
Cellulose	5.54%
Soybean Oil	2.77%
Cocoa Buffer	17.19%
AIN-76 Mineral Mixture (composition below)	1.11%
Dicalcium Phosphate	50.00% (of total mineral mixture)
Sodium Chloride	7.40% (of total mineral mixture)
Potassium Citrate	22.00% (of total mineral mixture)
Potassium Sulfate	5.20% (of total mineral mixture)
Magnesium Oxide	2.40% (of total mineral mixture)
Manganous Carbonate	0.35% (of total mineral mixture)
Ferric Citrate	0.60% (of total mineral mixture)
Zinc Carbonate	0.16% (of total mineral mixture)
Copper Carbonate	0.03% (of total mineral mixture)

Potassium Iodate	0.00% (of total mineral mixture)
Sodium Selenite	0.00% (of total mineral mixture)
Chromium Potassium Sulfate	0.06% (of total mineral mixture)
Powdered Sugar	11.80% (of total mineral mixture)
AIN-76 Vitamin Mixture (composition below)	1.11%
Thiamine Hydrochloride	0.06% (of total vitamin mixture)
Riboflavin	0.06% (of total vitamin mixture)
Pyridoxine Hydrochloride	0.07% (of total vitamin mixture)
Niacin	0.30% (of total vitamin mixture)
D Calcium Pantothenate	0.16% (of total vitamin mixture)
Folic Acid	0.02% (of total vitamin mixture)
Biotin	0.00% (of total vitamin mixture)
Vitamin B-12 (0.1% trit)	0.10% (of total vitamin mixture)
Vitamin A Palmitate (250,000 u/gm)	0.16% (of total vitamin mixture)
Alpha Tocopherol Powder (250 u/gm)	2.00% (of total vitamin mixture)
Vitamin D3 (400,000 u/gm)	0.02% (of total vitamin mixture)
Menadione	0.00% (of total vitamin mixture)
Q'S with Powder Sugar	97.05% (of total vitamin mixture)
Calcium Carbonate	0.61%
DiCalcium Phosphate	1.44%
Potassium Citrate	1.83%
Choline Bitartrate	0.22%
Cholestrol	1.25%
Sodium Cholate	0.50%
Blue Dye	0.05%

Availability:

Catalog Number

02960467

Description

40 Kcal% High Fat Diet with 1.25%
Cholestrol and 0.5% Sodium cholate,
Pelleted

Sizes

1 kg
10 kg
20 kg
50 kg