

## D12359 and D12369B

Low Fat Control Diet for Ketogenic Diet and Very Low Carbohydrate,  
Ketogenic Rodent Diet

Product #	D12359		D12369B	
	Control Rodent Diet		Ketogenic Rodent Diet	
	gm	kcal	gm	kcal
Protein	10.2	10.4	17.6	10.4
Carbohydrate	76.5	78.2	0.9	0.5
Fat	5.0	11.5	67.2	89.1
Total		100.0		100.0
kcal/gm	3.92		6.78	
Ingredient	gm	kcal	gm	kcal
Casein, 80 Mesh	100	400	100	400
DL-Methionine	1.5	6	1.5	6
Corn Starch	0	0	0	0
Dextrose	751.5	3006	0	0
Sucrose	0	0	0	0
Cellulose, BW200	50	0	50	0
Corn Oil	50	450	50	450
Primex	0	0	338	3042
Mineral Mix S10001 (11.8% Sucrose)	35	16.1	35	16.1
Vitamin Mix V10001	10	40	0	0
Vitamin Mix V10001C (78.4% Sucrose)	0	0	1	3.1
Choline Bitartrate	2	0	2	0
<b>Total</b>	<b>1000</b>	<b>3918.1</b>	<b>577.5</b>	<b>3917</b>

## Typical Fatty Acid Composition of D12369B and D12359

	D12369B	D12359
<b>Ingredient</b>		
Corn Oil	50	50
Primex	338	0
<b>Total</b>	<b>388</b>	<b>50</b>
C2, Acetic	0.0	0.0
C4, Butyric	0.0	0.0
C6, Caproic	0.0	0.0
C8, Caprylic	0.1	0.0
C10, Capric	0.0	0.0
C12, Lauric	0.3	0.0
C14, Myristic	1.2	0.0
C14:1, Myristoleic	0.0	0.0
C15	0.1	0.0
C16, Palmitic	73.6	5.5
C16:1, Palmitoleic	0.4	0.0
C16:2	0.0	0.0
C16:3	0.0	0.0
C16:4	0.0	0.0
C17	0.3	0.0
C18, Stearic	34.3	1.0
C18:1, Oleic	190.0	12.5
C18:2, Linoleic	79.8	30.1
C18:3, Linolenic	4.2	0.7
C18:4, Stearidonic	0.0	0.0
C20, Arachidic	1.3	0.0
C20:1,	0.4	0.0
C20:2	0.0	0.0
C20:3	0.0	0.0
C20:4, Arachidonic	0.0	0.0
C20:5, Eicosapentaenoic	0.0	0.0
C21:5	0.0	0.0
C22, Behenic	1.0	0.0
C22:1, Erucic	0.0	0.0
C22:4, Clupanodonic	0.0	0.0
C22:5, Docosapentaenoic	0.0	0.0
C22:6, Docosahexaenoic	0.0	0.0
C24, Lignoceric	0.2	0.0
C24:1	0.0	0.0
<b>Total</b>	<b>387.1</b>	<b>49.6</b>
<b>Saturated (g)</b>	<b>112.3</b>	<b>6.4</b>
<b>Monounsaturated (g)</b>	<b>190.8</b>	<b>12.5</b>
<b>Polyunsaturated (g)</b>	<b>84.1</b>	<b>30.8</b>
<b>Saturated (%)</b>	<b>29.0</b>	<b>12.9</b>
<b>Monounsaturated (%)</b>	<b>49.3</b>	<b>25.1</b>
<b>Polyunsaturated (%)</b>	<b>21.7</b>	<b>62.0</b>



Standard & Custom Diets  
for Laboratory Animals

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## S10001

### Mineral Mix for AIN-76A Rodent Diet

Use at 35 gm/kg diet or  
35 gm/4000 kcal digestible energy.

Ingredient	gm	Amount in	
			35 gm
Calcium Phosphate, Dibasic 29.5% Ca, 22.8% P	500	Ca	5.2 gm
		P	4.0 gm
Magnesium Oxide 60.3% Mg	24	Mg	0.5 gm
Potassium Citrate, 1 H <sub>2</sub> O 36.2% K	220	K	3.6 gm
Potassium Sulfate 44.9% K, 18.4% S	52	S	0.33 gm
Sodium Chloride 39.3% Na, 60.7% Cl	74	Na	1.0 gm
		Cl	1.6 gm
Chromium Potassium Sulfate, 12 H <sub>2</sub> O 10.4% Cr	0.55	Cr	2.0 mg
Cupric Carbonate 57.5% Cu	0.3	Cu	6.0 mg
Potassium Iodate 59.3% I	0.01	I	0.2 mg
Ferric Citrate 21.2% Fe	6.0	Fe	45. mg
Manganous Carbonate 47.8% Mn	3.5	Mn	59. mg
Sodium Selenite 45.7% Se	0.01	Se	0.16 mg
Zinc Carbonate 52.1% Zn	1.6	Zn	29. mg
Sucrose	118.03		
<b>TOTAL</b>	<b>1000.</b>		



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### V10001C

#### 10X Vitamin Mix for AIN-76A Rodent Diet

Use at 1 gm/kg diet or  
1 gm/4000 kcal digestible energy.

Ingredient	gm	Amount in 1 gm
Vitamin A Palmitate 500,000 IU/gm	0.8	4,000 IU
Vitamin D <sub>3</sub> 100,000 IU/gm	1.0	1,000 IU
Vitamin E Acetate 500 IU/gm	10.0	50 IU
Menadione Sodium Bisulfite 62.5% Menadione	0.08	0.5 mg
Biotin, 1.0%	2.0	0.2 mg
Cyancocobalamin, 0.1%	1.0	10 ug
Folic Acid	0.2	2 mg
Nicotinic Acid	3.0	30 mg
Calcium Pantothenate	1.6	16 mg
Pyridoxine-HCl	0.7	7 mg
Riboflavin	0.6	6 mg
Thiamin HCl	0.6	6 mg
Sucrose	78.42	
<b>Total</b>	<b>100.</b>	

Modified from J. Nutr. 107:1340-1348, 1977 and J. Nutr. 110:1726, 1980.