

**Supplemental Table 1. The formula of AIN-93M purified diet**

<b>Composition</b>	<b>Content</b>	<b>Composition</b>	<b>Content</b>
<b>Calories</b>	3601 kcal/kg	<b>Minerals</b>	
Protein's calories account for	14.1%	Calcium	5000 ppm
Fat's calories account for	10.0%	Phosphorus	3000 ppm
Water content	6.8%	Potassium	3600 ppm
Fat	4.0%	Sodium	1033 ppm
Carbohydrate	72.7%	Magnesium	511 ppm
Protein	12.5%	Iron	45 ppm
Ash	3.89%	Zinc	35 ppm
<b>Amino acids</b>		Manganese	10 ppm
Alanine	3.3 g	Copper	6 ppm
Arginine	4.5 g	Iodine	0.2 ppm
Aspartic acid	8.0 g	Chromium	1 ppm
Glutamate	25.5 g	Inorganic sulfur	300 ppm
Glycine	2.3 g	Chlorine	1613 ppm
Lysine	9.2 g	<b>Vitamins</b>	
Methionine	3.3 g	Vitamin A	4 IU/g
Cystine	2.4 g	Vitamin D	1 IU/g
Tryptophan	1.6 g	Vitamin E	0.075 IU/g
Proline	14.3 g	Vitamin K	0.86 ppm
Serine	6.7 g	Thiamine	5 ppm
Histidine	3.3 g	<b>Riboflavin</b>	<b>6 ppm</b>
Leucine	10.9 g	Niacin	30 ppm
Isoleucine	5.9 g	Pantothenic acid	15 ppm
Phenylalanine	6.2 g	Vitamin B6	6 ppm
Tyrosine	6.6 g	Choline	1000 ppm
Threonine	4.7 g	Folic acid	2 ppm
Valine	7.0 g	Biotin	0.2 ppm
		Vitamin B12	25 ppm