

Mouse Breeding, High Energy

fortified (non-sterilized / autoclavable / irradiated)

Complete feed for mice with high requirements

ssniff



Description

This diet has been designed for the breeding (maintenance) of mouse strains with higher energy requirements. It is characterized by high energy and crude protein contents.

The diet is intended for ad libitum feeding. The animals should have free access to fresh water

Gross Energy (GE) 17.1 MJ/kg

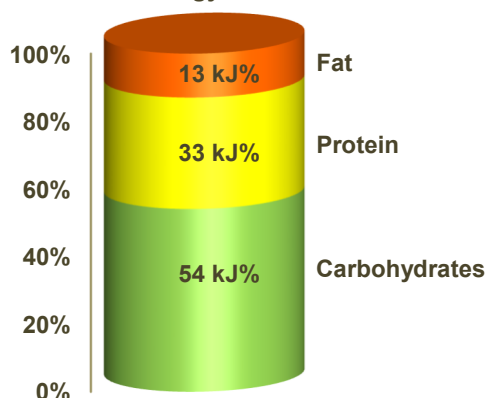
Physiological fuel value ¹⁾ 14.4 MJ/kg

Metabolizable Energy (ME) ²⁾ 13.9 MJ/kg

¹⁾ Atwater, correspond to 3,440 kcal/kg
Should not be used for natural ingredient diets.

²⁾ ME Rodent / Pig 2025 | ME Pig GfE = 14.1 MJ/kg

Estimated energy distribution



Crude Nutrients

	[%]
Crude protein (N x 6.25)	23.0
Crude fat	6.1
Crude fiber	3.3
NDF	11.3
ADF	5.2
Crude ash	6.5
Starch	34.1
Sugar	5.1
N free extractives	49.8

Minerals

	[%]
Calcium	1.00
Phosphorus	0.70
Ca / P	1.43 : 1
Sodium	0.23
Magnesium	0.22
Potassium	1.03

Fatty acids

	[%]
C 12:0	—
C 14:0	0.01
C 16:0	0.68
C 18:0	0.22
C 20:0	0.03
C 16:1	0.04
C 18:1	1.47
C 18:2	3.23
C 18:3	0.37

Amino acids

	[%]
Lysine	1.57
Methionine	0.54
Cystine	0.40
Met+Cys	0.94
Threonine	0.89
Tryptophan	0.29
Arginine	1.50
Histidine	0.61
Valine	1.12
Isoleucine	1.02
Leucine	1.79
Phenylalanine	1.12
Phe+Tyr	1.91
Glycine	1.05
Glutamic acid	4.83
Aspartic acid	2.42
Proline	1.50
Serine	1.26
Alanine	1.08

Vitamins

	per	kg
Vitamin A	25,000	IU
Vitamin D ₃	1,500	IU
Vitamin E	135	mg
Vitamin K (as MNB)	20	mg
Thiamine (B ₁)	86	mg
Riboflavin (B ₂)	33	mg
Pyridoxine (B ₆)	32	mg
Cobalamin (B ₁₂)	150	µg
Nicotinic acid	140	mg
Pantothenic acid	58	mg
Folic acid	10	mg
Biotin	690	µg
Choline	1,400	mg

Trace elements

	per	kg
Iron	180	mg
Manganese	58	mg
Zinc	86	mg
Copper	15	mg
Iodine	2.1	mg
Selenium	0.3	mg

Dietary composition

Wheat and wheat products, soybean products, corn (maize), minerals, soybean oil, brewer's yeast, vitamins & trace elements, L-lysine HCl, DL-methionine.

Main products

	Bag size
V1184-000 10 mm pellets	10 kg
V1184-300 10 mm, autoclavable	10 kg
V1185-000 15 mm pellets	10 kg
V1185-300 15 mm, autoclavable	10 kg
V1185-703 15 mm, sterilis. 25 kGy	10 kg + PE bag
V1185-727 15 mm, sterilis. 25 kGy	5 x 3 kg Vacubag

Production and Sale

ssniff Spezialdiäten GmbH
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A white mouse is shown standing on its hind legs, looking upwards. The mouse is positioned on the left side of the image, with its body angled towards the right. Its front paws are slightly raised, and its long, thin tail extends to the right. The background is a solid, light gray.

Description

The diet is intended for ad libitum feeding. The animals should have free access to fresh water

¹⁾ Atwater, correspond to 3,440 kcal/kg
Should not be used for natural ingredient diets.

²⁾ **ME Rodent / Pig 2025** | ME Pig GfE = 14.1 MJ/kg

A 3D pie chart illustrating the energy distribution of a diet. The chart is divided into three segments: a green segment at the bottom representing Carbohydrates (50 kJ%), a yellow segment in the middle representing Protein (38 kJ%), and an orange segment at the top representing Fat (12 kJ%). A vertical axis on the left side of the chart shows percentages from 0% to 100% in increments of 20%.

Macronutrient	Energy Contribution (kJ%)
Carbohydrates	50 kJ%
Protein	38 kJ%
Fat	12 kJ%

Minerals	[%]	Amino acids	[%]	Vitamins	per	kg
Calcium	1.00	Lysine	1.52	Vitamin A	25,000	IU
Phosphorus	0.70	Methionine	0.49	Vitamin D ₃	1,500	IU
Ca / P	1.43 : 1	Cystine	0.44	Vitamin E	135	mg
Sodium	0.27	Met+Cys	0.93	Vitamin K (as MNB)	20	mg
Magnesium	0.22	Threonine	0.99	Thiamine (B ₁)	86	mg
Potassium	1.20	Tryptophan	0.33	Riboflavin (B ₂)	34	mg
		Arginine	1.67	Pyridoxine (B ₆)	32	mg
		Histidine	0.67	Cobalamin (B ₁₂)	150	µg
		Valine	1.29	Nicotinic acid	145	mg
		Isoleucine	1.18	Pantothenic acid	62	mg
		Leucine	2.16	Folic acid	10	mg
		Phenylalanine	1.30	Biotin	730	µg
		Phe+Tyr	2.19	Choline	1,330	mg
		Glycine	1.19			
		Glutamic acid	5.50	Trace elements	per	kg
		Aspartic acid	2.80	Iron	198	mg
		Proline	1.72	Manganese	61	mg
		Serine	1.44	Zinc	89	mg
		Alanine	1.25	Copper	16	mg
				Iodine	2.1	mg
				Selenium	0.3	mg
Dietary composition						

Wheat and wheat products, soybean products, whey powder, corn gluten, minerals, soybean oil, brewer's yeast, vitamins & trace elements, L-lysine HCl, DL-methionine.

Production and Sale
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Mouse/Rat – Breeding

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Complete feed for mice & rats



Description

This diet has been designed originally for the breeding of mice, and is also used for rats. The dietary nutrient contents and the energy density are adjusted to meet the increased requirements during reproduction.

The diet is intended for ad libitum feeding. The animals should have free access to fresh water

Gross Energy (GE) **16.7 MJ/kg**

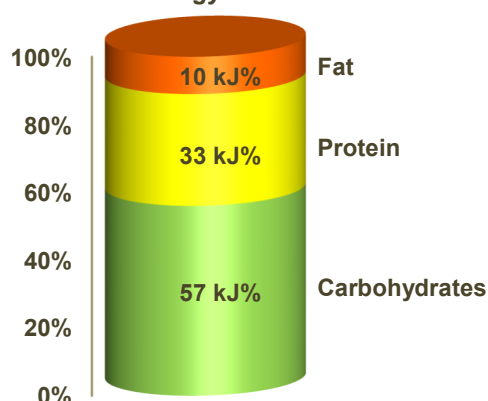
Physiological fuel value ¹⁾ **14.0 MJ/kg**

Metabolizable Energy (ME) ²⁾ **13.4 MJ/kg**

¹⁾ Atwater, correspond to 3,335 kcal/kg
Should not be used for natural ingredient diets.

²⁾ ME Rodent / Pig 2025 | ME Pig GfE = 13.5 MJ/kg

Estimated energy distribution



Crude Nutrients [%]

Crude protein (N x 6.25)	22.0
Crude fat	4.5
Crude fiber	3.9
NDF	13.7
ADF	6.3
Crude ash	6.5
Starch	33.6
Sugar	5.3
N free extractives	51.2

Minerals [%]

Calcium	1.00
Phosphorus	0.70
Ca / P	1.43 : 1
Sodium	0.24
Magnesium	0.21
Potassium	0.98

Fatty acids [%]

C 12:0	—
C 14:0	0.01
C 16:0	0.54
C 18:0	0.15
C 20:0	0.02
C 16:1	0.03
C 18:1	1.02
C 18:2	2.41
C 18:3	0.28

Amino acids [%]

Lysine	1.35
Methionine	0.48
Cystine	0.39
Met+Cys	0.87
Threonine	0.85
Tryptophan	0.29
Arginine	1.41
Histidine	0.58
Valine	1.08
Isoleucine	0.97
Leucine	1.69
Phenylalanine	1.06
Phe+Tyr	1.81
Glycine	1.00
Glutamic acid	4.65
Aspartic acid	2.25
Proline	1.43
Serine	1.18
Alanine	1.02

Vitamins per kg

Vitamin A	15,000 IU
Vitamin D ₃	1,100 IU
Vitamin E	110 mg
Vitamin K (as MNB)	7 mg
Thiamine (B ₁)	18 mg
Riboflavin (B ₂)	22 mg
Pyridoxine (B ₆)	21 mg
Cobalamin (B ₁₂)	100 µg
Nicotinic acid	115 mg
Pantothenic acid	40 mg
Folic acid	7 mg
Biotin	500 µg
Choline	1,400 mg

Trace elements per kg

Iron	192 mg
Manganese	62 mg
Zinc	89 mg
Copper	15 mg
Iodine	2.1 mg
Selenium	0.3 mg

Dietary composition

Wheat and wheat products, soybean products, corn (maize), minerals, soybean oil, brewer's yeast, vitamins & trace elements, L-lysine HCl, DL-methionine.

Main products

		Bag size
V1124-000	10 mm pellets	10 kg
V1125-000	15 mm pellets	10 kg

Production and Sale

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Mouse/Rat – Breeding

fortified (autoclavable / irradiated)

Complete feed for mice & rats

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Description

This diet has been designed originally for the breeding of mice, and is also used for rats. The dietary nutrient contents and the energy density are enhanced to meet the increased energy (& nutrient) requirements during reproduction. The diet is fortified for sterilization processes and for longer use / storage (MAP).

The diet is intended for ad libitum feeding. The animals should have free access to fresh water

Gross Energy (GE) **16.7 MJ/kg**

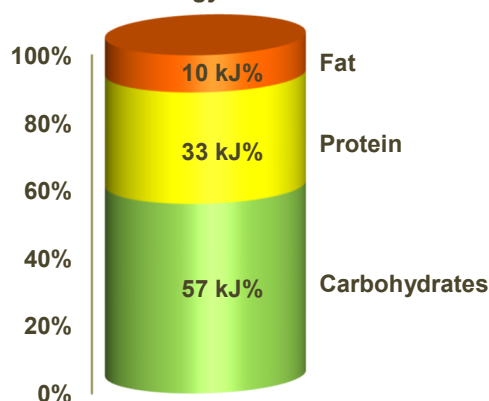
Physiological fuel value ¹⁾ **14.0 MJ/kg**

Metabolizable Energy (ME) ²⁾ **13.4 MJ/kg**

¹⁾ Atwater, correspond to 3,338 kcal/kg
Should not be used for natural ingredient diets.

²⁾ ME Rodent / Pig 2025 | ME Pig GfE = 13.6 MJ/kg

Estimated energy distribution



Crude Nutrients [%]

Crude protein (N x 6.25)	22.0
Crude fat	4.5
Crude fiber	3.9
NDF	13.1
ADF	6.0
Crude ash	6.5
Starch	34.2
Sugar	5.1
N free extractives	51.2

Minerals [%]

Calcium	1.00
Phosphorus	0.70
Ca / P	1.43 : 1
Sodium	0.24
Magnesium	0.21
Potassium	0.98

Fatty acids [%]

C 12:0	—
C 14:0	0.01
C 16:0	0.54
C 18:0	0.14
C 20:0	0.02
C 16:1	0.02
C 18:1	1.03
C 18:2	2.42
C 18:3	0.28

Amino acids [%]

Lysine	1.48
Methionine	0.50
Cystine	0.39
Met+Cys	0.89
Threonine	0.83
Tryptophan	0.28
Arginine	1.38
Histidine	0.57
Valine	1.06
Isoleucine	0.95
Leucine	1.67
Phenylalanine	1.04
Phe+Tyr	1.77
Glycine	0.98
Glutamic acid	4.56
Aspartic acid	2.20
Proline	1.38
Serine	1.17
Alanine	1.01

Vitamins per kg

Vitamin A	25,000 IU
Vitamin D ₃	1,500 IU
Vitamin E	135 mg
Vitamin K (as MNB)	20 mg
Thiamine (B ₁)	86 mg
Riboflavin (B ₂)	33 mg
Pyridoxine (B ₆)	31 mg
Cobalamin (B ₁₂)	150 µg
Nicotinic acid	140 mg
Pantothenic acid	59 mg
Folic acid	10 mg
Biotin	690 µg
Choline	1,400 mg

Trace elements per kg

Iron	192 mg
Manganese	64 mg
Zinc	91 mg
Copper	15 mg
Iodine	2.1 mg
Selenium	0.3 mg

Dietary composition

Wheat and wheat products, soybean products, corn (maize), minerals, soybean oil, brewer's yeast, vitamins & trace elements, L-lysine HCl, DL-methionine.

Main products

V1124-300	10 mm, autoclavable	10 kg
V1124-703	10 mm, sterilis. 25 kGy	10 kg + PE
V1124-727	10 mm, sterilis. 25 kGy	5 x 3 kg Vacubag
V1124-MAP	10 mm	10 kg MAP

Production and Sale

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Mouse/Rat – Breeding extrudate

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Complete feed for mice & rats – fortified



Description

This diet has been designed for the breeding of mice and rats. The dietary protein content and quality (amino acid composition) and the energy density are adjusted to the requirements during reproduction. Moreover, the digestibility and palatability of the diet are improved by the extrusion process.

The diet is intended for ad libitum feeding. The animals should have free access to fresh water

Gross Energy (GE) 17.1 MJ/kg

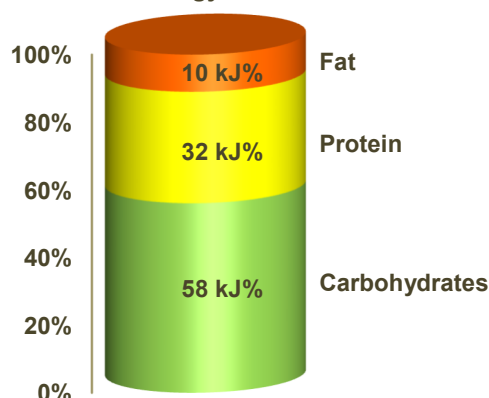
Physiological fuel value ¹⁾ 14.3 MJ/kg

Metabolizable Energy (ME) ²⁾ 13.7 MJ/kg

¹⁾ Atwater, correspond to 3,430 kcal/kg
Should not be used for natural ingredient diets.

²⁾ ME Rodent / Pig 2025 | ME Pig GfE = 13.9 MJ/kg

Estimated energy distribution



Crude Nutrients [%]

Crude protein (N x 6.25)	22.0
Crude fat	4.8
Crude fiber	4.1
NDF	12.4
ADF	5.5
Crude ash	6.5
Starch	35.4
Sugar	4.3
N free extractives	52.8

Minerals [%]

Calcium	1.00
Phosphorus	0.70
Ca / P	1.43 : 1
Sodium	0.25
Magnesium	0.20
Potassium	0.96

Fatty acids [%]

C 12:0	—
C 14:0	0.01
C 16:0	0.62
C 18:0	0.13
C 20:0	0.02
C 16:1	0.02
C 18:1	1.13
C 18:2	2.58
C 18:3	0.28

Amino acids [%]

Lysine	1.47
Methionine	0.50
Cystine	0.38
Met+Cys	0.88
Threonine	0.80
Tryptophan	0.27
Arginine	1.38
Histidine	0.56
Valine	1.05
Isoleucine	0.91
Leucine	1.72
Phenylalanine	1.06
Phe+Tyr	1.85
Glycine	1.02
Glutamic acid	4.38
Aspartic acid	2.10
Proline	1.39
Serine	1.10
Alanine	1.01

Vitamins per kg

Vitamin A	25,000	IU
Vitamin D ₃	1,500	IU
Vitamin E	135	mg
Vitamin K (as MNB)	20	mg
Thiamine (B ₁)	85	mg
Riboflavin (B ₂)	33	mg
Pyridoxine (B ₆)	30	mg
Cobalamin (B ₁₂)	150	µg
Nicotinic acid	132	mg
Pantothenic acid	59	mg
Folic acid	10	mg
Biotin	680	µg
Choline	1,690	mg

Trace elements per kg

Iron	198	mg
Manganese	60	mg
Zinc	88	mg
Copper	15	mg
Iodine	2.1	mg
Selenium	0.3	mg

Dietary composition

Wheat, soybean products, corn (maize) products, oat middlings, minerals, soybean oil, sugar beet pulp, vitamins & trace elements, L-lysine HCl, DL-methionine.

Main products

		Bag size
V1126-000	Extrudates (app. Ø 16 mm)	10 kg PE
V1127-000	Meal / ground extrudates	10 kg PE

Production and Sale

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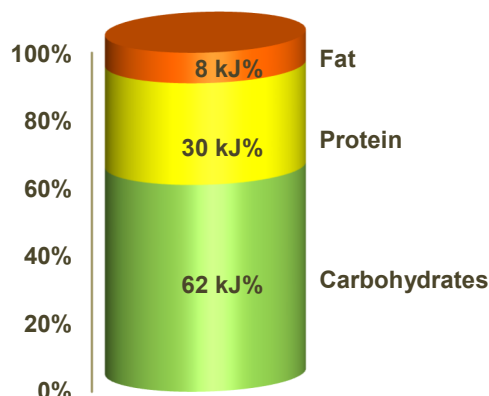
This diet has been designed rats and mice and is suitable for long term experiments (chronic toxicity studies), because of the moderate energy density and the low nitrosamine contents.

The diet is intended for ad libitum feeding. The animals should have free access to fresh water

¹⁾ Atwater, correspond to 3,225 kcal/kg
Should not be used for natural ingredient diets.

²⁾ **ME Rodent / Pig 2025** | ME Pig GfE = 12.7 MJ/kg

Crude Nutrients	[%]
Crude protein (N x 6.25)	19.0
Crude fat	3.3
Crude fiber	5.0
NDF	16.9
ADF	7.1
Crude ash	6.4
Starch	35.9
Sugar	5.4
N free extractives	54.6



Minerals	[%]	Amino acids	[%]	Vitamins	per	kg
Calcium	1.00	Lysine	1.00	Vitamin A	15,000	IU
Phosphorus	0.70	Methionine	0.33	Vitamin D ₃	1,100	IU
Ca / P	1.43 : 1	Cystine	0.35	Vitamin E	110	mg
Sodium	0.24	Met+Cys	0.68	Vitamin K (as MNB)	7	mg
Magnesium	0.22	Threonine	0.71	Thiamine (B ₁)	18	mg
Potassium	0.92	Tryptophan	0.25	Riboflavin (B ₂)	22	mg
		Arginine	1.19	Pyridoxine (B ₆)	21	mg
		Histidine	0.48	Cobalamin (B ₁₂)	100	µg
Fatty acids	[%]	Valine	0.90	Nicotinic acid	115	mg
C 12:0	—	Isoleucine	0.79	Pantothenic acid	40	mg
C 14:0	0.01	Leucine	1.39	Folic acid	7	mg
C 16:0	0.45	Phenylalanine	0.88	Biotin	510	µg
C 18:0	0.09	Phe+Tyr	1.49	Choline	1,370	mg
C 20:0	0.01	Glycine	0.88			
C 16:1	0.01	Glutamic acid	4.10	Trace elements	per	kg
C 18:1	0.62	Aspartic acid	1.79	Iron	189	mg
C 18:2	1.76	Proline	1.29	Manganese	68	mg
C 18:3	0.23	Serine	0.99	Zinc	91	mg
		Alanine	0.82	Copper	15	mg
				Iodine	2.1	mg
				Selenium	0.3	mg

Wheat and wheat products, soybean products, barley, minerals, oat hulls, sugar beet pulp, vitamins & trace elements, L-lysine HCl, DL-methionine

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Complete feed for rats & mice



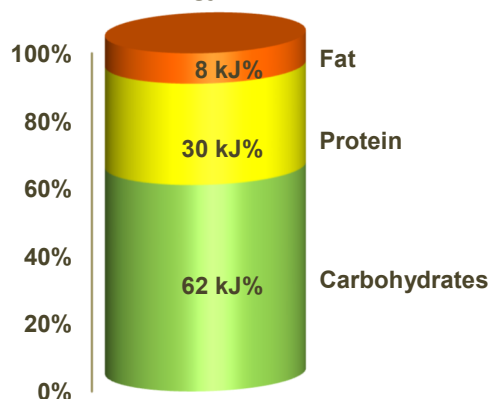
This diet has been designed rats and mice and is suitable for long term experiments (chronic toxicity studies), because of the moderate energy density and the low nitrosamine contents. The diet is vitamin and amino acid fortified for sterilization processes and longer use and storage.

The diet is intended for ad libitum feeding. The animals should have free access to fresh water

1) Atwater, correspond to 3,230 kcal/kg
Should not be used for natural ingredient diets.

2) **ME Rodent / Pig 2025** | ME Pig GfE = 12.7 MJ/kg

Crude Nutrients	[%]
Crude protein (N x 6.25)	19.0
Crude fat	3.3
Crude fiber	4.9
NDF	17.2
ADF	7.1
Crude ash	6.4
Starch	35.2
Sugar	5.3
N free extractives	54.2



Minerals	[%]	Amino acids	[%]	Vitamins	per	kg
Calcium	1.00	Lysine	1.10	Vitamin A	25,000	IU
Phosphorus	0.70	Methionine	0.38	Vitamin D ₃	1,500	IU
Ca / P	1.43 : 1	Cystine	0.35	Vitamin E	135	mg
Sodium	0.24	Met+Cys	0.73	Vitamin K (as MNB)	20	mg
Magnesium	0.22	Threonine	0.72	Thiamine (B ₁)	86	mg
Potassium	0.92	Tryptophan	0.25	Riboflavin (B ₂)	32	mg
		Arginine	1.19	Pyridoxine (B ₆)	31	mg
		Histidine	0.49	Cobalamin (B ₁₂)	150	µg
		Valine	0.92	Nicotinic acid	153	mg
		Isoleucine	0.79	Pantothenic acid	59	mg
		Leucine	1.39	Folic acid	10	mg
		Phenylalanine	0.89	Biotin	710	µg
		Phe+Tyr	1.50	Choline	1,370	mg
		Glycine	0.89			
		Glutamic acid	4.22	Trace elements	per	kg
		Aspartic acid	1.84	Iron	186	mg
		Proline	1.31	Manganese	68	mg
		Serine	1.01	Zinc	91	mg
		Alanine	0.87	Copper	15	mg
				Iodine	2.1	mg
				Selenium	0.3	mg

Main products		Bag size
V1530-000	Powder (ground)	10 kg
V1534-300	10 mm pellets, autoclavable	10 kg
V1535-300	15 mm pellets, autoclavable	10 kg
V1534-703	10 mm, sterilis. 25 kGy	10 kg + PE
V1535-703	15 mm, sterilis. 25 kGy	10 kg + PE
V1534-727	10 mm, sterilis. 25 kGy	5 x 3 kg Vacubag
V1534-MAP	10 mm pellets	10 kg MAP

Wheat and wheat products, soybean products, barley, minerals, oat hulls, sugar beet pulp, vitamins & trace elements, L-lysine HCl, DL-methionine.

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A white mouse is shown standing on its hind legs, looking upwards. The mouse is positioned in the lower-left quadrant of the image. The background is a solid, light gray.

This diet has been designed rats and mice and is suitable for long term experiments (chronic toxicity studies), because of the moderate energy density and the very low nitrosamine contents. Moreover, the diet is highly digestible and palatable due to the extrusion process.

The diet is intended for ad libitum feeding. The animals should have free access to fresh water

¹⁾ Atwater, correspond to 3,350 kcal/kg
Should not be used for natural ingredient diets.

²⁾ **ME Rodent / Pig 2025** | ME Pig GfE = 13.1 MJ/kg

A 3D pie chart illustrating the energy distribution of a 100g carbohydrate-rich food. The chart is divided into three segments: Carbohydrates (63 kJ%), Protein (29 kJ%), and Fat (8 kJ%). The y-axis on the left shows percentages from 0% to 100% in 20% increments.

Macronutrient	Energy (kJ%)
Carbohydrates	63 kJ%
Protein	29 kJ%
Fat	8 kJ%

Minerals	[%]	Amino acids	[%]	Vitamins	per	kg
Calcium	1.00	Lysine	1.15	Vitamin A	25,000	IU
Phosphorus	0.70	Methionine	0.38	Vitamin D ₃	1,500	IU
Ca / P	1.43 : 1	Cystine	0.35	Vitamin E	135	mg
Sodium	0.24	Met+Cys	0.73	Vitamin K (as MNB)	20	mg
Magnesium	0.21	Threonine	0.67	Thiamine (B ₁)	85	mg
Potassium	0.92	Tryptophan	0.22	Riboflavin (B ₂)	33	mg
		Arginine	1.13	Pyridoxine (B ₆)	30	mg
		Histidine	0.48	Cobalamin (B ₁₂)	150	µg
		Valine	0.90	Nicotinic acid	139	mg
		Isoleucine	0.76	Pantothenic acid	58	mg
		Leucine	1.44	Folic acid	10	mg
		Phenylalanine	0.88	Biotin	650	µg
		Phe+Tyr	1.51	Choline	1,490	mg
		Glycine	0.86			
		Glutamic acid	3.92	Trace elements	per	kg
		Aspartic acid	1.69	Iron	196	mg
		Proline	1.30	Manganese	62	mg
		Serine	0.93	Zinc	89	mg
		Alanine	0.86	Copper	15	mg
				Iodine	2.1	mg
				Selenium	0.3	mg

Wheat & wheat products, corn (maize) & corn products, soybean products, oat bran & middlings, sugar beet pulp, minerals, vitamins & trace elements, soybean oil, L-lysine HCl, DL-methionine.

Production and Sale
ssniff Spezialdiäten GmbH
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Rat/Mouse – maintenance Energy reduced

fortified (non-sterilized / autoclavable / irradiated)

Complete feed for rats & mice

ssniff



Description

This diet has been designed for long-term maintenance of rats and mice (e.g. ageing studies). It is characterized by a very low energy density and high fiber contents. The diet is vitamin and amino acid fortified to compensate for the nutrient losses during the sterilization process.

The diet is intended for ad libitum feeding. The animals should have free access to fresh water

Gross Energy (GE) 15.7 MJ/kg

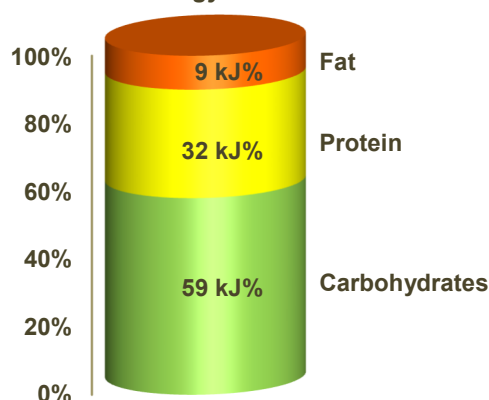
Physiological fuel value ¹⁾ 11.7 MJ/kg

Metabolizable Energy (ME) ²⁾ 9.5 MJ/kg

¹⁾ Atwater, correspond to 2,800 kcal/kg
Should not be used for natural ingredient diets.

²⁾ ME Rodent / Pig 2025 | ME Pig GfE = 8.7 MJ/kg

Estimated energy distribution



Crude Nutrients [%]

Crude protein (N x 6.25)	15.0
Crude fat	3.1
Crude fiber	14.2
NDF	29.3
ADF	16.1
Crude ash	7.8
Starch	20.8
Sugar	5.4
N free extractives	48.8

Minerals [%]

Calcium	1.10
Phosphorus	0.70
Ca / P	1.57 : 1
Sodium	0.25
Magnesium	0.23
Potassium	1.47

Fatty acids [%]

C 12:0	—
C 14:0	0.02
C 16:0	0.53
C 18:0	0.08
C 20:0	0.01
C 16:1	0.02
C 18:1	0.43
C 18:2	1.44
C 18:3	0.28

Amino acids [%]

Lysine	0.84
Methionine	0.36
Cystine	0.27
Met+Cys	0.63
Threonine	0.58
Tryptophan	0.19
Arginine	0.77
Histidine	0.34
Valine	0.75
Isoleucine	0.60
Leucine	1.17
Phenylalanine	0.68
Phe+Tyr	1.11
Glycine	0.69
Glutamic acid	2.67
Aspartic acid	1.24
Proline	1.06
Serine	0.68
Alanine	0.78

Vitamins per kg

Vitamin A	25,000	IU
Vitamin D ₃	1,500	IU
Vitamin E	135	mg
Vitamin K (as MNB)	80	mg
Thiamine (B ₁)	85	mg
Riboflavin (B ₂)	35	mg
Pyridoxine (B ₆)	31	mg
Cobalamin (B ₁₂)	150	µg
Nicotinic acid	155	mg
Pantothenic acid	62	mg
Folic acid	11	mg
Biotin	860	µg
Choline	1,290	mg

Trace elements per kg

Iron	276	mg
Manganese	63	mg
Zinc	84	mg
Copper	15	mg
Iodine	2.1	mg
Selenium	0.4	mg

Dietary composition

Alfalfa meal, wheat and wheat products, barley, corn gluten, sunflower seeds, oat bran, soy-beans - toasted, sugar beet pulp, molasses, minerals, vitamins & trace elements, L-lysine HCl, DL-methionine.

Main products

		Bag size
V1574-000	10 mm pellets	10 kg
V1574-300	10 mm pellets, autoclavable	10 kg
V1574-703	10 mm, sterilis. 25 kGy	10 kg + PE

Production and Sale

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MR Breeding – Low phytoestrogen

fortified (non-sterilized / autoclavable / irradiated)

Complete feed for rodents without soybean and alfalfa products

ssniff



Description

This diet has been formulated for breeding purposes, and has therefore a higher energy density. The feed contains no soybean or alfalfa products resulting in very low concentrations of the phytoestrogens genistein, daidzein and coumestrol which make this diet suitable for studies on the effects of estrogens and similar substances (endogen disrupters).

The diet is intended for ad libitum feeding. The animals should have free access to fresh water.

Gross Energy (GE) 17.1 MJ/kg

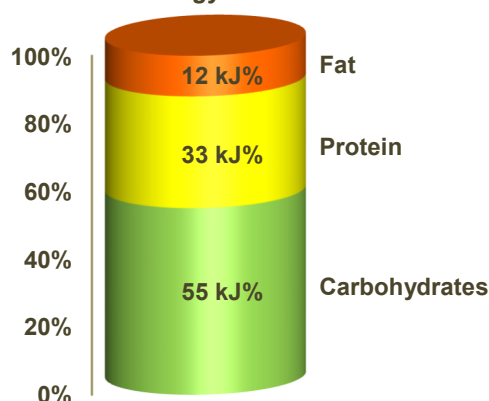
Physiological fuel value ¹⁾ 14.3 MJ/kg

Metabolizable Energy (ME) ²⁾ 13.5 MJ/kg

¹⁾ Atwater, correspond to 3,410 kcal/kg
Should not be used for natural ingredient diets.

²⁾ ME Rodent / Pig 2025 | ME Pig GfE = 13.7 MJ/kg

Estimated energy distribution



Crude Nutrients [%]

Crude protein (N x 6.25)	22.2
Crude fat	5.5
Crude fiber	4.4
NDF	17.9
ADF	6.1
Crude ash	5.9
Starch	31.9
Sugar	3.4
N free extractives	50.7

Minerals [%]

Calcium	1.00
Phosphorus	0.70
Ca / P	1.43 : 1
Sodium	0.22
Magnesium	0.23
Potassium	0.71

Fatty acids [%]

C 12:0	—
C 14:0	0.01
C 16:0	0.70
C 18:0	0.17
C 20:0	0.02
C 16:1	0.03
C 18:1	1.22
C 18:2	3.02
C 18:3	0.34

Amino acids [%]

Lysine	1.35
Methionine	0.52
Cystine	0.42
Met+Cys	0.94
Threonine	0.95
Tryptophan	0.27
Arginine	1.15
Histidine	0.54
Valine	1.23
Isoleucine	0.98
Leucine	2.09
Phenylalanine	1.19
Phe+Tyr	2.16
Glycine	1.05
Glutamic acid	4.10
Aspartic acid	2.05
Proline	1.65
Serine	1.16
Alanine	1.30

Vitamins per kg

Vitamin A	25,000	IU
Vitamin D ₃	1,500	IU
Vitamin E	135	mg
Vitamin K (as MNB)	20	mg
Thiamine (B ₁)	85	mg
Riboflavin (B ₂)	32	mg
Pyridoxine (B ₆)	30	mg
Cobalamin (B ₁₂)	150	µg
Nicotinic acid	160	mg
Pantothenic acid	59	mg
Folic acid	9	mg
Biotin	720	µg
Choline	1,290	mg

Trace elements per kg

Iron	192	mg
Manganese	65	mg
Zinc	94	mg
Copper	15	mg
Iodine	2.1	mg
Selenium	0.4	mg

Dietary composition

Wheat and wheat products, barley, corn gluten, sunflower meal, potato protein, minerals, brewer's yeast, vitamins & trace elements, vegetable oil, L-lysine HCl, DL-methionine.

Main products

V1154-000	10 mm pellets
V1154-300	10 mm, autoclavable
V1154-318	10 mm, autoclavable
V1154-703	10 mm, sterilis. 25 kGy

Bag size

10 kg
10 kg
app. 700 kg big bags
10 kg + PE

Production and Sale

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RM Maintenance – Low phytoestrogen

fortified (non-sterilized / autoclavable / irradiated)

Complete feed for rodents (maintenance) without soybean & alfalfa products

ssniff



Description

This maintenance diet for rats and mice contains not any soybean or alfalfa product and contains accordingly only traces of the phytoestrogens genistein, daidzein and coumestrol. This diet is therefore suitable to study the effects of estrogens and similar substances (endogen disrupters).

The diet is intended for ad libitum feeding. The animals should have free access to fresh water.

Gross Energy (GE) 16.4 MJ/kg

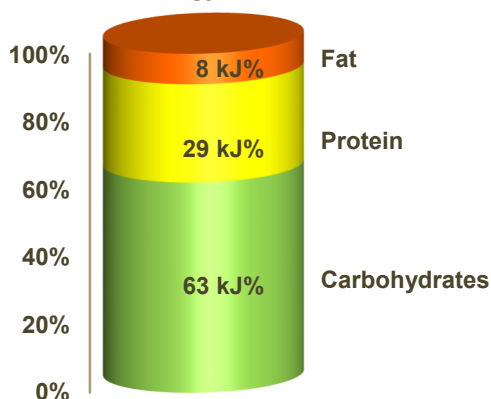
Physiological fuel value ¹⁾ 13.7 MJ/kg

Metabolizable Energy (ME) ²⁾ 13.0 MJ/kg

¹⁾ Atwater, correspond to 3,410 kcal/kg
Should not be used for natural ingredient diets.

²⁾ ME Rodent / Pig 2025 | ME Pig GfE = 13.0 MJ/kg

Estimated energy distribution



Crude Nutrients [%]

Crude protein (N x 6.25)	19.1
Crude fat	3.4
Crude fiber	4.6
NDF	20.6
ADF	6.5
Crude ash	6.0
Starch	34.5
Sugar	3.3
N free extractives	55.1

Minerals [%]

Calcium	1.00
Phosphorus	0.70
Ca / P	1.43 : 1
Sodium	0.23
Magnesium	0.22
Potassium	0.73

Fatty acids [%]

C 12:0	—
C 14:0	0.01
C 16:0	0.45
C 18:0	0.07
C 20:0	0.01
C 16:1	0.01
C 18:1	0.62
C 18:2	1.85
C 18:3	0.22

Amino acids [%]

Lysine	1.04
Methionine	0.37
Cystine	0.37
Met+Cys	0.74
Threonine	0.81
Tryptophan	0.24
Arginine	1.01
Histidine	0.46
Valine	1.04
Isoleucine	0.84
Leucine	1.64
Phenylalanine	1.00
Phe+Tyr	1.80
Glycine	0.91
Glutamic acid	3.68
Aspartic acid	1.74
Proline	1.42
Serine	0.99
Alanine	1.10

Vitamins per kg

Vitamin A	25,000	IU
Vitamin D ₃	1,500	IU
Vitamin E	135	mg
Vitamin K (as MNB)	20	mg
Thiamine (B ₁)	86	mg
Riboflavin (B ₂)	31	mg
Pyridoxine (B ₆)	30	mg
Cobalamin (B ₁₂)	150	µg
Nicotinic acid	149	mg
Pantothenic acid	57	mg
Folic acid	9	mg
Biotin	660	µg
Choline	1,370	mg

Trace elements per kg

Iron	184	mg
Manganese	75	mg
Zinc	98	mg
Copper	14	mg
Iodine	2.1	mg
Selenium	0.4	mg

Dietary composition

Wheat and wheat products, barley, corn gluten, potato protein, minerals, oat hulls, vitamins & trace elements, vegetable oil, L-lysine HCl, DL-methionine.

Main products

V1554-000	10 mm pellets	10 kg
V1554-300	10 mm, autoclavable	10 kg (standard)
V1554-703	10 mm, sterilis. 25 kGy	10 kg + PE
V1554-733	10 mm, sterilis. 25 kGy	5 kg
V1554-MAP	10 mm pellets	10 kg in MAP

Production and Sale

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