

## Nutrient Requirements Of Laboratory Animals

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### Nutrient Requirements Of Laboratory Animals

Search term. In the years since the third edition of this indispensable reference was published, a great deal has been learned about the nutritional requirements of common laboratory species: rat, mouse, guinea pig, hamster, gerbil, and vole. The Fourth Revised Edition presents the current expert understanding of the lipid, carbohydrate, protein, mineral, vitamin, and other nutritional needs of these animals.

### Nutrient Requirements of Laboratory Animals - NCBI Bookshelf

Amazon.com: Nutrient Requirements of Laboratory Animals.: Fourth Revised Edition, 1995 (Nutrient Requirements of Animals) (9780309051262): National Research Council, Board on Agriculture, Committee on Animal Nutrition, Subcommittee on Laboratory Animal Nutrition: Books

### Amazon.com: Nutrient Requirements of Laboratory Animals ...

The first edition of Nutrient Requirements of Laboratory Animals was published in 1962. It summarized the nutrient requirements of the rat, mouse, guinea pig, hamster, monkey, and cat based on an evaluation of the literature. The second revised edition was published in 1972 and updated the information presented in the first edition.

### Front Matter | Nutrient Requirements of Laboratory Animals ...

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### Nutrient Requirements of Laboratory Animals: Fourth ...

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### Nutrient Requirements of Laboratory Animals: Fourth ...

Suggested Citation:"NUTRIENT REQUIREMENTS OF THE LABORATORY RAT."National Research Council. 1978. Nutrient Requirements of Laboratory Animals: Third revised edition ...

### Nutrient Requirements of Laboratory Animals: Third revised ...

In the 1978 edition of Nutrient Requirements of Laboratory Animals, the recommendation for the minimal concentration of calcium and phosphorus to maximize bone calcification during growth was 5 and 4 g/kg, respectively. This gives a Ca:P molar ratio of 0.96.

### Read "Nutrient Requirements of Laboratory Animals: Fourth ...

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### Nutrient Requirements of Laboratory Animals: Fourth ...

In the 1978 edition of Nutrient Requirements of Laboratory Animals , the recommendation for the minimal concentration of calcium and phosphorus to maximize bone calcification during growth was 5 and 4 g/kg, respectively. This gives a Ca:P molar ratio of 0.96.

### Nutrient Requirements of the Laboratory Rat - Nutrient ...

Nutrient requirements of the laboratory mouse, p. 39-49. In : Nutrient Requirements of Laboratory Animals . National Research Council-National Academy of Sciences, Publ. 990.

### Chapter 5 - Nutrition

Iodine, molybdenum, and selenium are trace elements essential for normal growth in laboratory animals. Birt et al. (1986) determined that male and female golden hamsters fed a diet containing 30 percent torula yeast as the protein source and 0.1 mg Se (as sodium selenite)/kg diet supported adequate growth, and 5 mg Se/kg is excessive.

### Nutrient Requirements of the Hamster - Nutrient ...

Food is made up of three main macronutrients, carbohydrates, protein and lipids. All animals, including both livestock and humans, need the correct amount of each to be healthy. Animals also need...

### Animal Nutrition: Requirements & Importance | Study.com

As shown in Appendix Fig. B.1 the minimum nutrient requirements are at weaning, when cows in a managed breeding system are usually in the middle trimester of pregnancy. At this stage, nutrient requirements for a 1200-lb dry pregnant cow are 6.7%–7.0% crude protein (CP) and 47.6%–48.5% total digestible nutrient (TDN).

### Nutrient Requirements - an overview | ScienceDirect Topics

Trace Minerals. It has been suggested that many of the minor elements, which may be supplied in minute amounts, are essential for laboratory animals, including the guinea pig. These elements include cobalt, chromium, arsenic, boron, nickel, vanadium, silicon, tin, fluorine, lead, and cadmium.

### Nutrient Requirements of the Guinea Pig - Nutrient ...

the basis for the nutritional requirements of farm animals and laboratory animals are similar. All animals require energy, protein, carbohydrate, lipid, minerals, and vitamins supplied in ...

### (PDF) Nutrient requirements, experimental design, and ...

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### Nutrient Requirements of Laboratory Animals: Fourth ...

Nutrient requirements of Rats as per BIS specifications : Nutrient Requirements Moisture (%) Max 10 Crude protein (Min) 24 Crude fat (Max) 5 Crude fibre (Max) 6 Total ash (Max) 9 Acid insoluble ash (Max) 1 Calcium (Min) 0.6 Available phosphorous (Min) 0.3

### Nutritional Management of Laboratory Animals |authorSTREAM

Presents the understanding of the lipid, carbohydrate, protein, mineral, vitamin, and other nutritional needs of common laboratory species: rat, mouse, guinea pig, hamster, gerbil, and vole. This title discusses general dietary considerations. It is of interest to researchers, laboratory technicians, and manufacturers of laboratory animal feed.