

NutriVivo™

Precision Nutrition for Research Integrity

The **Livestock Scientific Development Association (LSDA)** is a distinguished non-governmental organization equipped with a **state-of-the-art research and pellet feed manufacturing facility**, dedicated to supporting scientific research involving experimental animals. At LSDA, we recognize that **balanced and consistent nutrition is fundamental to precise, reproducible research outcomes**. We offer nutritionally balanced feed formulations developed in accordance with **NRC (National Research Council) guidelines**—as summarized in the accompanying table—or customized diets tailored to meet the unique requirements of laboratory and livestock species, including:

🐭 Rat • 🐁 Mouse • 🐷 Guinea Pig • 🐰 Rabbit • 🐔 Poultry • 🐷 Swine • 🐄 Dairy Cattle •

Whether your research demands **standardized rations** or **specialized, protocol-specific nutrition**, LSDA provides **reliable, evidence-based feed solutions** to help you achieve your experimental objectives with confidence. Our cutting-edge facility utilizes **premium-grade raw ingredients**, and every batch is subjected to rigorous quality testing, verified through **NABL-accredited laboratories**, ensuring **stringent nutritional integrity and batch-to-batch consistency**.

“From formulation to feeding, LSDA empowers your research with precision and trust.”

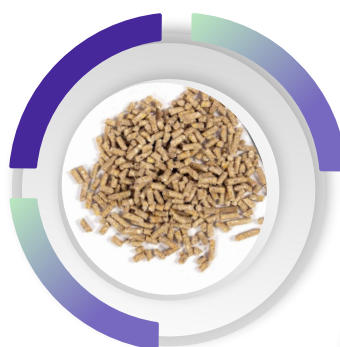
Nutrient Requirement of Experimental Animals

Nutrient (%)	Rat	Mouse	Guinea Pig	Rabbit (Adult)	Poultry
Dry Matter (DM)	~90	~90	~90	~90	~89
Crude Protein (CP)	12-15	18-24	18	13-18	15-23
Crude Fibre (CF)	5-6	5-6	15	14-16	3-8
Ether Extract (EE)	4-5	4-5	3-4	2-3	2-6
Total Ash	≤9	≤9	~8	~8	~6-7
Calcium (Ca)	0.5-0.6	0.5-0.6	0.8-1.0	0.6-1.0	0.75-4.5
Phosphorus (P)	0.4	0.4	0.4-0.7	0.4-0.6	0.4-0.5
Lysine	0.1-0.7	0.7	~0.6	0.65-0.75	0.9-1.4
Methionine	0.2-0.6	0.6	~0.3	0.6 (with cystine)	0.3-0.6
Nitrogen-Free Extract (NFE)	~60-65	~60-65	~50-55	~45-50	~50-55
Total Digestible Nutrients (TDN)	~75-80	~75-80	~70-75	~65-70	~75-80
Metabolizable Energy (ME) (kcal/kg)	3800	3800	2800	2100-2500	2500-3200

* Values are approximate and may vary slightly depending on physiological stage (maintenance, growth, reproduction, production)

* Trace minerals and Vitamins and other feed supplements as per requirement.

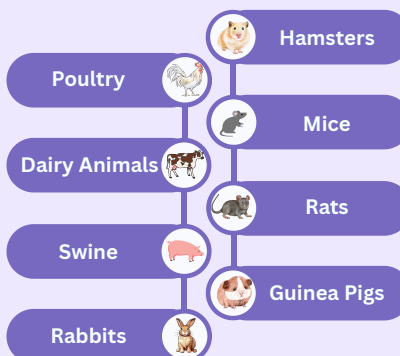
* Data source Nutrients requirement for lab animals and Poultry, NRC guidelines.



Key Capabilities :

- **Fixed-ingredient formulations** for consistent and reproducible nutritional profiles.
- **Custom diets** designed to meet specific research protocols and model requirements.
- **Precise incorporation** of test compounds (e.g., drugs, nutraceuticals, additives).
- **Species-specific** pellet sizes for optimal intake and digestion.
- **Free from heavy metals**, natural toxins, and other contaminants.

Available Pallet Feeds For:



Packaging Sizes:

25 kg

10 kg



LIVESTOCK SCIENTIFIC DEVELOPMENT ASSOCIATION

(NON-PROFIT ORGANIZATION REGISTERED UNDER SECTION 8 OF COMPANIES ACT 2013)
APPROVED BY CCSEA, MINISTRY OF FISHERIES, ANIMAL HUSBANDRY & DAIRYING, NEW DELHI

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