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## TECHNICAL INFORMATION

Catalog Number: 960225, 960226  
**Vitamin D Control Diet, Rat**

The diet contains all nutrients required by the rat, and provides growth and reproduction equal to that of commercial stock diets. Using whole wheat as the source of carbohydrate the rats experience better growth and development than with mono or disaccharides. The calcium content of the diet can be varied by changing the amount of CaCO<sub>3</sub> added. The phosphorous content can be increased from approximately 0.35% (the wheat flour contains most of the phosphorous and the casein a small and variable amount) by the addition of potassium diphosphate.

### References:

- Clark, S.A., A. Boass and S.U. Toverud, *Bone and Mineral*, 291-302 (1989).
- S.U. Toverud, based on A. Boass, S.U. Toverud, T.A. McCain, J.W. Pike, and M.R. Haussler, *Nature*, v. **267**: 630 (1977)
- S.U. Toverud, *Acta Physiol. Scand.*, v. **62**: 391 (1964)
- F.C. Gran, *Acta Physiol. Scand.*, v. **48**: Suppl. 167 (1960).

### Composition:

Ingredient	Amount
Vitamin Free Casein	13.0%
Whole Wheat Flour	75.0%
Corn Oil	3.0%
Alphacel, Non-Nutritive Bulk	5.0%
Calcium Carbonate	0.8%
Vitamin D	5 IU/gm diet
Calcium Phosphorous Free Salt Mixture (Gran. 1960)	2.0%
Potassium Chloride	13.3885 gm/kg diet
Sodium Chloride	4.8456 gm/kg diet
Magnesium Chloride	0.9302 gm/kg diet
Manganese Sulfate	0.0117 gm/kg diet

Aluminum Sulfate	0.0047 gm/kg diet
Copper Sulfate	0.0272 gm/kg diet
Sodium Fluoride	0.0272 gm/kg diet
Ferric Citrate (16-17% Fe)	0.7473 gm/kg diet
Cobalt Acetate	0.0014 gm/kg diet
Potassium Iodide	0.0019 gm/kg diet
Plus MP Vitamin Diet Fortification Mixture except Vitamin D	1.3%

**Availability:**

<i>Catalog Number</i>	<i>Description</i>	<i>Size</i>
960225	Powdered	10 kg
		20 kg
		50 kg
960226	Pelleted	10 kg
		20 kg
		50 kg

[Vitamin D Deficient Diet is also available under catalog numbers 960073 \(powdered\) or 960074 \(pelleted\)](#)