



*Your work is worth it.*

### **Vitamin A and Vitamin B<sub>12</sub> Improvements**

In mid 2007, a select number of our rodent diets were modified slightly to promote optimal health and performance. Specifically, vitamin A was decreased and vitamin B<sub>12</sub> was increased. The exact diets and their respective changes are provided in the table below.

*Vitamin A* - The concentration of vitamin A was reduced to a level that falls within a healthy range for mice, rodents, and hamsters (NRC, 1995): 6x, rather than 10x, the minimum requirements. Due to improved technology and a greater understanding of the stability of vitamins in animal feeds, excessive dietary concentrations, which can be stored within the animal and potentially result in poor animal health, are not necessary.

*Vitamin B<sub>12</sub>* – Rodents (50 µg/kg) and mice (10 µg/kg) have different minimum requirements for vitamin B<sub>12</sub>; however, many of our diets are intended to meet the needs of multiple species. In order to meet the needs of both rats and mice, the concentration of vitamin B<sub>12</sub> was increased in a select number of our diets.

LabDiet <sup>®</sup> Product	Former vitamin A level, IU/gm	Current vitamin A level, IU/gm	Former vitamin B-12 level, µg/kg	Current vitamin B-12 level, µg/kg
5001	-	-	22	51
5002	-	-	20	51
5010	44	24	33	51
5012	-	-	20	51
5013	-	-	28	51
5015	30	18	13	51
5020	30	15	16	51
5021	-	-	19	51
5053	25	15	18	51
5058	28	15	14	51
5061	25	15	18	51
5062	28	15	14	51
5K20	-	-	19	51
5K75	26	15	20	51
5K96	25	15	-	-
5LG3	-	-	25	51
5LJ5	-	-	20	51
5P00	29	18	-	-
5R24	-	-	33	51
5V00	25	15	-	-
5V01	10	15	-	-
5V02	26	15	26	51

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A dashed line indicates no changes were made.

Unique animal strains may require abnormally high or low levels of vitamin A or B<sub>12</sub>. If you are working with a specific strain that requires a unique concentration of these vitamins, please contact us directly ([info@testdiet.com](mailto:info@testdiet.com)) for more information, as we can formulate a custom diet that will meet those special needs.

If someone other than a Purina LabDiet® employee attempts to provide details about this and/or other formulation practices, please understand that the information may not be accurate.

Nutrient Requirements of Laboratory Animals. 1995. National Research Council. 4<sup>th</sup> Ed.