

TABLE III-3_b.

Recommended nutrient levels for dogs - Unit per 1000 kcal of metabolisable energy (ME)

| Nutrient | UNIT | Minimum Recommended | | | | Maximum | |
|------------------------------|------|----------------------------|-----------------------------|--|--|--|---|
| | | Adult based on MER of | | Early Growth (< 14 weeks) & Reproduction | Late Growth (≥ 14 weeks) | (L) = EU legal limit (given only on DM basis, see table III-3 _a) (N) = nutritional | |
| | | 95 kcal/kg ^{0.75} | 110 kcal/kg ^{0.75} | | | | |
| Protein* | g | 52.10 | 45.00 | 62.50 | 50.00 | - | |
| Arginine* | g | 1.51 | 1.30 | 2.04 | 1.84 | - | |
| Histidine | g | 0.67 | 0.58 | 0.98 | 0.63 | - | |
| Isoleucine | g | 1.33 | 1.15 | 1.63 | 1.25 | - | |
| Leucine | g | 2.37 | 2.05 | 3.23 | 2.00 | - | |
| Lysine* | g | 1.22 | 1.05 | 2.20 | 1.75 | Growth: | 7.00 (N) |
| Methionine* | g | 1.16 | 1.00 | 0.88 | 0.65 | - | |
| Methionine + cystine* | g | 2.21 | 1.91 | 1.75 | 1.33 | - | |
| Phenylalanine | g | 1.56 | 1.35 | 1.63 | 1.25 | - | |
| Phenylalanine + tyrosine* | g | 2.58 | 2.23 | 3.25 | 2.50 | - | |
| Threonine | g | 1.51 | 1.30 | 2.03 | 1.60 | - | |
| Tryptophan | g | 0.49 | 0.43 | 0.58 | 0.53 | - | |
| Valine | g | 1.71 | 1.48 | 1.70 | 1.40 | - | |
| Fat* | g | 13.75 | 13.75 | 21.25 | 21.25 | - | |
| Linoleic acid (ω-6) * | g | 3.82 | 3.27 | 3.25 | 3.25 | Early Growth: | 16.25 (N) |
| Arachidonic acid (ω-6) | mg | - | - | 75.00 | 75.00 | - | |
| Alpha-linolenic acid (ω-3) * | g | - | - | 0.20 | 0.20 | - | |
| EPA + DHA (ω-3) * | g | - | - | 0.13 | 0.13 | - | |
| Minerals | | | | | | | |
| Calcium* | g | 1.45 | 1.25 | 2.50 | 2.00 ^a 2.50 ^b | Adult: | 6.25 (N) |
| Phosphorus | g | 1.16 | 1.00 | 2.25 | 1.75 | Early growth: | 4.00 (N) |
| | | | | | | Late growth: | 4.50 (N) |
| Ca / P ratio | | 1/1 | | | | Adult: | 2/1 (N) |
| | | | | | | Early growth & reprod.: | 1.6/1 (N) |
| | | | | | | Late growth: | 1.8/1 ^a (N) or 1.6/1 ^b (N) |
| Potassium | g | 1.45 | 1.25 | 1.10 | 1.10 | - | |
| Sodium* | g | 0.29 | 0.25 | 0.55 | 0.55 | c | |
| Chloride | g | 0.43 | 0.38 | 0.83 | 0.83 | c | |
| Magnesium | g | 0.20 | 0.18 | 0.10 | 0.10 | - | |
| Trace elements* | | | | | | | |
| Copper* | mg | 2.08 | 1.80 | 2.75 | 2.75 | (L) | |
| Iodine* | mg | 0.30 | 0.26 | 0.38 | 0.38 | (L) | |
| Iron* | mg | 10.40 | 9.00 | 22.00 | 22.00 | (L) | |
| Manganese | mg | 1.67 | 1.44 | 1.40 | 1.40 | (L) | |
| Selenium* | µg | 87.00 | 75.00 | 100.00 | 100.00 | (L) | |
| Zinc* | mg | 20.80 | 18.00 | 25.00 | 25.00 | (L) | |
| Vitamins | | | | | | | |
| Vitamin A* | IU | 1754 | 1515 | 1250 | 1250 | 100 000 (N) | |
| Vitamin D* | IU | 159.00 | 138.00 | 138.00 | 125.00 | (L) 800.00 (N) | |
| Vitamin E* | IU | 10.40 | 9.00 | 12.50 | 12.50 | - | |
| Thiamine | mg | 0.62 | 0.54 | 0.45 | 0.45 | - | |
| Riboflavin* | mg | 1.74 | 1.50 | 1.05 | 1.05 | - | |
| Pantothenic acid | mg | 4.11 | 3.55 | 3.00 | 3.00 | - | |
| Vitamin B6 (Pyridoxine) | mg | 0.42 | 0.36 | 0.30 | 0.30 | - | |
| Vitamin B12 | µg | 9.68 | 8.36 | 7.00 | 7.00 | - | |
| Niacin | mg | 4.74 | 4.09 | 3.40 | 3.40 | - | |
| Folic acid | µg | 74.70 | 64.50 | 54.00 | 54.00 | - | |
| Biotin* | µg | - | - | - | - | - | |
| Choline | mg | 474.00 | 409.00 | 425.00 | 425.00 | - | |
| Vitamin K* | µg | - | - | - | - | - | |