Table 22-4. Comparison of recommended key nutritional factor levels in selected commercial foods for reproducing (gestation and lactation) queens to recommended levels.*

Dry foods	Energy density (kcal/cup)**	Energy density (kcal ME/g)	Protein (%)	Fat (%)	DHA (%)	Carbohydrate (%)***	Ca (%)	P (%)	Ca:P ratio	Na (%)	Urinary pH
Recommended levels	**-**	**4.0-5.0**	**35-50**	**18-35**	**≥0.004**	**≥10**	**1.1-1.6**	**0.8-1.4**	**1:1-1.5:1**	**0.3-0.6**	**6.2-6.5**
Hill's Science Diet Kitten Healthy Development Original	525	4.5	37.4	26.1	0.166	27.3	1.44	1.22	1.2:1	0.55	6.383
Hill's Science Diet Kitten Indoor	525	4.5	37.4	26.1	0.166	27.3	1.44	1.22	1.2:1	0.55	6.380
Hill's Science Diet Nature's Best Chicken & Brown Rice Dinner Kitten	487	4.4	37.6	26.0	0.259	27.6	1.45	1.20	1.2:1	0.46	6.400
Hill's Science Diet Nature's Best Ocean Fish & Brown Rice Dinner Kitten	487	4.4	37.2	26.4	0.232	27.0	1.24	1.11	1.1:1	0.59	6.400
Iams Eukanuba Kitten Chicken Formula	469	4.5	40.0	25.7	na	25.4	1.29	1.07	1.2:1	0.43	na
Iams ProActive Health Kitten	406	4.4	36.0	23.4	0.104	32.7	1.25	1.06	1.2:1	0.39	na
Nutro Natural Choice Kitten Chicken & Rice Formula	470	4.1	47.4	20.8	0.061	20.2	2.24	1.63	1.4:1	0.42	na
Purina Kitten Chow Nuturing Formula	457	4	45.3	17.0	0.043	28.9	1.33	1.30	1.0:1	0.59	na
Purina ONE Healthy Kitten Formula	512	4.8	44.8	20.2	na	25.9	1.75	1.58	1.1:1	0.54	na
Purina Pro Plan Kitten Chicken & Rice Formula	537	4.7	47.6	19.7	na	24.0	1.33	1.32	1.0:1	0.73	na
Royal Canin Babycat 34 Formula	533	4.8	37.0	26.1	na	na	1.18	1.12	1.1:1	0.67	na
Royal Canin Kitten 36 Formula	394	4.4	39.1	18.5	na	na	1.18	1.08	1.1:1	0.62	na
Moist foods	**Energy density (kcal/cup)****	**Energy density (kcal ME/g)**	**Protein (%)**	**Fat (%)**	**DHA (%)**	**Carbohydrate (%)*****	**Ca (%)**	**P (%)**	**Ca:P ratio**	**Na (%)**	**Urinary pH**
Recommended levels	**-**	**4.0-5.0**	**35-50**	**18-35**	**≥0.004**	**≥10**	**1.1-1.6**	**0.8-1.4**	**1:1-1.5:1**	**0.3-0.6**	**6.2-6.5**
Hill's Science Diet Kitten Healthy Development Liver & Chicken Entrée Minced	114/3 oz. 210/5.5 oz.	4.7	49.3	23.9	0.243	16.2	1.30	0.95	1.4:1	0.32	6.400

Key: ME = metabolizable energy, DHA = docosahexaenoic acid, Ca = calcium, P = phosphorus, Na = sodium, na = information not available from manufacturer.

*From manufacturers' published information or calculated from manufacturers' published as fed values; all values are on a dry matter basis unless otherwise stated. Digestibility: Foods with higher energy density are more likely to have higher digestibility. Foods for most breeding males and females are usually similar to those for young and middle-aged adults (Chapter 20).

**Energy density values are listed on an as fed basis and are useful for determining the amount to feed; cup = 8-oz. measuring cup. To convert to kJ, multiply kcal by 4.184.

***Important for lactation.