

Formula Enrichment Subtopic: Study Formula Nutrient Descriptions

Study	Infant Age/ Setting	Group	Description	Energy	Protein	Calcium	Phosphorus	Vitamin D
Agosti, et al 2003	40-55 weeks	Enriched (post-discharge)		800 kcal/L (80 kcal/100 mL)	24 gm/L	1,000 mg/L	500 mg/L	
		Standard		700 kcal/L (70 kcal/100 mL)	17 gm/L	750 mg/L	440 mg/L	
Chan, et al. 1993	51-59 days Post-discharge	Enriched (Preterm)	Similac Special Care 20 kcal/oz	676 kcal/L	18.5-19.4 gm/L (2.73-2.87 gm/100 kcal)	1208-1364 mg/L (178.6-201.69 mg/100 kcal)	616-703 mg/L (91.09-103.95 mg/100 kcal)	1250 IU/L (184.9 IU/L)
		Low Birth Weight Formula	20 kcal/oz	676 kcal/L	17.1-17.8 gm/L (2.52-2.63gm/100 kcal)	624-686 mg/L (92.31-101.48mg/kcal)	361-392 mg/L (53.4-57.99 mg/100 kcal)	561-620 IU/L (82.99-91.71IU/ 100 kcal)
		Standard	Similac 20kcal/oz with iron	676 kcal/L	15.2-15.4 gm/L (2.25-2.28gm/100 kcal)	535-559 mg/L (79.14-82.69mg/100 kcal)	392-462 mg/L (57.99-68.34mg/100 kcal)	400 IU/L (59.2 IU/ 100 kcal)
Cooke, et al. 2006	22 days Balance studies in Hospital	HiPro		800 kcal/L (80 kcal/100 mL)	28.8 g/L (3.6 g/100 kcal)	1048 mg/L (131 mg/100 kcal)	600 mg/L (75 mg/100 kcal)	NR
		RegPro		800 kcal/L (80 kcal/100 mL)	24.0 g/L (3.0 g/100 kcal)	1048 mg/L (131 mg/100 kcal)	600 mg/L (75 mg/100 kcal)	NR
Kulkarni, et al. 1984	5 weeks NICU and post-discharge	Enriched	Similac 24 kcal/oz	810 kcal/L	22.0 gm/L (2.71 gm/ 100 kcal)	730 mg/L (90.1 mg/100 kcal)	560 mg/L (69.14 mg/ 100 kcals)	480 IU/L (59.26 IU/ 100 kcals)
		Standard	Similac with Iron	680 kcal/L	15.5 gm/L (2.28 gm /100 kcal)	510 mg/L (75 mg/ 100 kcal)	390 mg/L (57.35 mg/ 100 kcals)	400 IU/L (58.82 IU/ 100 kcals)

Brunton, et al 1998	36 weeks PMA Post-discharge	Intervention (Enriched)	High energy, protein, mineral	900 kcal/L (26.62 kcal/oz)	23 gm/L (2.56 gm/100 kcal)	1002 mg/L (111.3 mg/100 kcal)	619 mg/L (68.78 mg/100 kcal)	NR
		Comparison (Standard)		900 kcal/L (26.62 kcal/oz)	15 gm/L (1.67 gm/ 100 kcal)	401 mg/L (44.53 mg/100 kcal)	279 mg/L (31 mg/100 kcal)	NR