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|  | **Products** | **Indications** | **Contra-****indications** | **Main features** |
| **Breastfeeding** |  | **Breastmilk** | * With very few exceptions, breastfeeding is indicated for all infants
* When extra fortification is required infant formula may be added to breastmilk
 | **Mother:*** Illegal drug use
* HIV-positive

**Infant:*** Galactosemia
 | **Protein:**Whey and casein, with a changing ratio over the duration of lactationWhey/casein ratios:Early lactation: 90/10Mature lactation: 60/40 |
| **Standard Infant Formulas** | **Routine** | **Enfamil Infant****Similac Advance****Similac Sensitive** | * Healthy infants born >34 weeks gestational age (GA)
 | * Cow’s milk protein allergy
 | **Protein:**Intact cow’s milk proteins (casein and whey) |
| **Partially****Hydrolyzed** | **Enfamil Gentlease****Good Start Gentle****Good Start Soothe****Similac Total Comfort** | * Marketed as intolerance formulas; not truly hypoallergenic

**Note:**Good Start Gentle:FDA approved for use in reducing risk of atopic dermatitis in high risk infants | * Cow’s milk protein allergy
 | **Protein:**Cow’s milk proteins partially hydrolyzed into small peptides**Note:**Good Start and Similac: 100% whey |
| **Thickened** | **Enfamil A.R.****Similac for Spit Up** | * Uncomplicated gastro esophageal reflux disease (GERD)

**Note:**Decreased efficacy when used with proton-pump inhibitor medications (e.g. Prilosec, Prevacid) | * Premature infants <38 weeks GA
* Do not concentrate above 24 kcal/oz
 | **Protein:**Intact cow’s milk proteins**Note:**Contains rice starch which thickens upon contact with stomach acid. Formulation maintains appropriate nutrient composition as opposed to adding cereal to formula. |
| **Soy** | **Enfamil Prosobee****Good Start Soy****Similac Soy Isomil** | * Vegan diet
* Family preference
* Galactosemia (Isomil and Prosobee powder only)
 | * Prematurity
* Colic
* Constipation
* Cow’s milk protein-induced enteropathy
 | **Protein:**Soy protein isolates**Note:**All soy formulas are lactose free |

These are general guidelines; not intended for use in the treatment of a specific clinical condition or without medical supervision

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|  | **Products** | **Indications** | **Main features** |
| **Special Medical Infant Formulas** | **Extensively****Hydrolyzed** | **Alimentum**(Abbott)**Pregestimil**(Mead Johnson)**Nutramigen Enflora** (Mead Johnson) | **General indications for use:*** Cow’s milk & soy protein allergy
* Multiple food allergies
* Intractable diarrhea
* Lactose/sucrose intolerance

**Product specific indications:****Alimentum & Pregestimil:*** Cystic fibrosis
* Pancreatic insufficiency
* Short gut
* GI immaturity

**Nutramigen Enflora & Pregestimil** (powder forms only):* Galactosemia

**Pregestimil:*** Celiac
* Cholestasis
 | **Protein:**Cow’s milk proteins hydrolyzed into small peptides and supplemented with amino acids**Fat:**Alimentum: 33% MCT oilPregestimil: 55% MCT oil**Note:**Nutramigen Enflora and Pregestimil: Use packed scoops for powdered forms |
| **Free****Amino Acid** | **Elecare Infant**(Abbott)**Neocate Infant**(Nutricia)**PurAmino**(Mead Johnson) | * Cow’s milk & soy protein allergy
* Multiple food protein allergies
* GERD
* Short bowel syndrome
* Malabsorption
* Eosinophlilic esophagitis
* Galactosemia

**Note:** Limited availability and expensive | **Protein:** Synthetic free amino acids**Fat:**Elecare and Neocate: 33% MCT oil**Note:**Mixing ratios differ from standard formulas; refer to manufacturer’s instructions |
| **Low Mineral** | **Breastmilk****Similac PM 60/40**(Abbott) | * Impaired renal function
* Neonatal hypoglycemia
 | **Protein:** Intact cow’s milk proteins **Note:**Breastmilk’s efficient absorption rate results in a naturally low mineral contentSimilac PM 60/40:Iron supplementation may be needed |
|  | **Post-discharge Premature** | **Enfacare**(Mead Johnson)**Neosure**(Abbott) | * Birthweight >2000 grams (4.5 lb) and <34 weeks gestational age
* Can be used until 1 year corrected age

**Contraindications:** Full term infants and failure to thrive infants due to the risk of hypervitaminosis and hypercalcemia | **Protein:** Intact cow’s milk proteins**Note:**Provides 22 kcal/oz at standard dilution |

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