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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 lactation  Whey/casein ratios:  Early lactation: 90/10  Mature 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 |

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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 oil  Pregestimil: 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 content  Similac 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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