WE BELIEVE THAT A RANGE OF PERSONALISED NUTRITIONAL SOLUTIONS PROVIDES FLEXIBILTY TO MEET THE NEEDS OF EVERY INDIVIDUAL PRETERM INFANT

The nutritional requirements of preterm infants are dependent on the degree of prematurity and/or (birth)weight. For example, protein requirements of an infant born < 1000 g and < 1800 g differ [1,2]. An advanced range of personalised nutritional solutions encourage and support breastfeeding and meet the specific needs of all preterm infants at every stage of development from birth through hospital stay, and at home.

NUTRITIONAL REQUIREMENTS OF PRETERM POPULATIONS

The nutritional requirements of preterm infants are dependent on the degree of prematurity and or (birth)weight. For example, protein requirements of an infant born < 1000 g and < 1800 g are different [1,2].

IN SUPPORT OF BREASTFEEDING

Human Milk (HM) is the preferred nutrition for term and preterm infants [3-6]. However, it is insufficient to meet the high nutrient requirements of many preterm infants [3,4]. In support of HM feeding, Nutricia provides a multicomponent Human Milk Fortifier that meets the high requirements of premature infants born weighing between 1000 – 1800 g.

PRETERM FORMULA

For those infants without HM access, Nutricia provides an acceptable alternative, a Preterm Formula tailored specifically to preterm infants' needs that are born between 1000 – 1800 g.

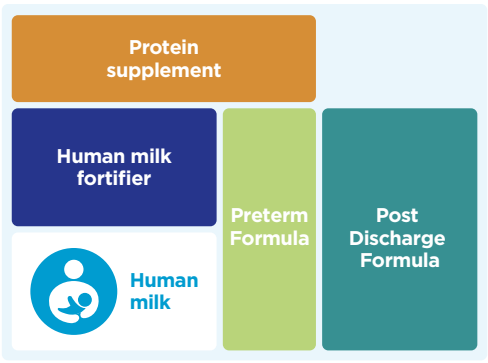
PROTEIN, A KEY MACRONUTRIENT

Protein requirements of preterm infants born weighing less than 1000 g or those born small-for-gestational age are particularly high [1,2,4,6,7]. Higher protein intake in the first weeks of life is associated with improved growth and neurocognitive development [8,9].

"Every effort, including use of preterm formula, is justified to protect the preterm infant from growth failure and the neurodevelopmental impairment it engenders" (E.E. Ziegler 2015)

By adding a personalised amount of the Nutricia Protein Supplement to either fortified HM or Preterm Formula it is possible to provide the flexibility and cover the protein needs of all preterm infants, even those most vulnerable, to support a better start in life.

Nutricia's extensive range of personalised nutrition supports optimal growth, brain development, immune fitness, GI function and metabolic development for every stage of preterm development.

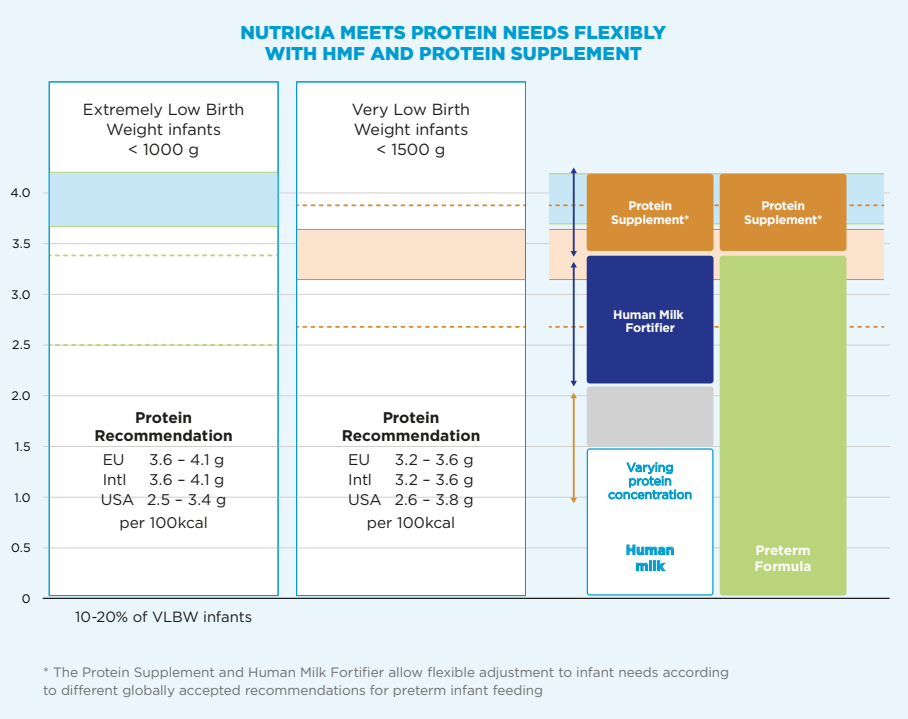


This extensive and personalised range of nutritional solutions for the preterm infant is unique in

- meeting energy and macronutrient needs, mineral and vitamin requirements;
- offering formulae with a patented mixture of scGOS:lcFOS (9:1), clinically demonstrated to mimic the natural prebiotic effect of the oligosaccharides in human milk [12–18];
- high concentrations of LCPUFA containing phospholipid-bound DHA and ARA supporting cognitive development;
- allowing flexible adjustment of HM fortification and meeting the extreme protein requirements of extremely low birth weight preterm infants either fed HM or formula.

POST-DISCHARGE FORMULA

Many preterm infants experience extra-uterine growth retardation during hospital stay and are discharged without sufficient recovery growth [10,11]. Post-Discharge Formula is recommended for these infants when formula fed [11]. Nutricia's Post Discharge Formula is enriched in energy and protein and contains more minerals, vitamins, and LCPUFA as well as scGOS:lcFOS (9:1) to support their continued development and journey at home.



HMF allows HM enrichment to flexibly meet protein requirements for extremely or very low birth weight infants independent of the protein variation in maternal or donor milk. Preterm Formula meets the requirements of VLBW infants; For those in special need of protein (ELBW), the protein supplement can be added as needed to either fortified HM or preterm formula.

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