THE POWER OF

The Human Touch
Only Prolacta Bioscience can provide the kind of protection that is exclusively human.

Prolact+ H²MF®
The first and only commercially available 100% human milk-based liquid human milk fortifier for extremely premature infants.
Premature infants are given superior protection when their nourishment begins with human milk.

Babies weighing 1250 g or less at birth are ill equipped to face gastrointestinal and metabolic issues such as necrotizing enterocolitis (NEC).

- NEC affects up to 1 out of 6 babies weighing ≤1250 g at birth who receive cow milk-based components in their diet.

- NEC is one of the leading causes of mortality among these babies.

- Mortality for surgical NEC can be as high as 50% and has not significantly changed over the past 30 years.

“The opportunity to meet the AAP’s recommendation for human milk fortification, while simultaneously promoting the benefits of an exclusive human milk diet, supports my clinical practice goals in the care of this vulnerable infant population.”
—Neonatal nurse

*Combined NEC rates from the control arms in both Sullivan (11/69) and Cristofalo (5/24) studies.
Human milk
makes all the difference.

Human milk is a mother’s natural shield, protecting her baby’s immune system from the very first days of life. But with preterm babies, mother’s milk alone may not be nutritionally sufficient. With Prolact+ H²MF®, preterm babies can get the added nutrition of a human milk fortifier, while still receiving the benefits of a 100% human milk diet.

• Prolact+ H²MF® is made exclusively from human milk

• Prolact+ H²MF® provides preterm infants with the early nutrition they need to support a naturally occurring host defense

• Prolact+ H²MF® is the first and only commercially available 100% human milk–based liquid human milk fortifier designed to help meet the nutritional needs of preterm infants

The American Academy of Pediatrics’ (AAP) policy recommends the use of human milk for all preterm infants, whether mother’s own milk or pasteurized donor human milk, when mother’s milk is unavailable.³

Only Prolacta infuses the power of the human touch, a mother’s nourishment and protection, into every ounce of their human milk products.
Now demonstrated in 2 clinical studies

Prolact+ H2MF® is proven to make a difference in the lives of preterm babies

### Odds of developing NEC reduced by 77%

<table>
<thead>
<tr>
<th>Study 1 (Sullivan et al)</th>
<th>Study 2 (Cristofalo et al)</th>
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<tr>
<td>Prolact+ HMF, HM100 + HM40 (n=138)</td>
<td>Preterm formula (n=24)</td>
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<tr>
<td>Cow milk–based HMF (n=69)</td>
<td>NEC surgery</td>
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<td>HM100 = Human milk–based HMF added once feeding volume reached 100 mL/kg/day</td>
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<td>HM40 = Human milk–based HMF added once feeding volume reached 40 mL/kg/day</td>
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<tr>
<td>BOV = Cow milk–based HMF added once feeding volume reached 100 mL/kg/day</td>
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| 1 case of NEC eliminated for every 10 babies fed an exclusively human milk diet. | 

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<td>P=0.007</td>
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| Odds of developing NEC with an exclusive human milk diet of 0.23 (95% confidence interval = 0.08, 0.66). P=0.007, or a 77% reduction in the odds of developing NEC while receiving an exclusively human milk diet, including Prolact+ H2MF when compared with infants receiving cow milk–based fortifier, or when mother’s own milk was unavailable, preterm formula. A peer-reviewed, randomized, controlled trial evaluated the benefits of an exclusively human milk–based diet for infants weighing between 500 g and 1250 g at birth (N=207). |

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| Significantly fewer surgical NEC cases for infants fed a human milk–based diet vs preterm formula. |

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<td>Prolact+ H2MF (n=29)</td>
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| A multivariate logistic regression analysis determined odds ratio for NEC with an exclusive human milk diet of 0.23 (95% confidence interval = 0.08, 0.66). P=0.007, or a 77% reduction in the odds of developing NEC while receiving an exclusively human milk diet, including Prolact+ H2MF when compared with infants receiving cow milk–based fortifier, or when mother’s own milk was unavailable, preterm formula. A peer-reviewed, randomized, controlled trial evaluated the benefits of an exclusively human milk–based diet for infants weighing between 500 g and 1250 g at birth (N=207). |

| † This multicenter, randomized, controlled trial compared an exclusive human milk diet vs preterm formula in extremely premature infants. There was a significant difference in median parenteral nutrition days: 27 vs 36, in Prolact+ H2MF vs preterm formula, respectively (P=0.04) and surgical NEC was significantly fewer in Prolact+ H2MF (0 cases) vs preterm formula (4 cases), P=0.04. |

*No other intervention has demonstrated such a marked effect on the incidence of NEC.*

**Significantly fewer surgical NEC cases for infants fed a human milk–based diet vs preterm formula.**
Shorter duration of TPN for infants fed a human milk-based diet vs preterm formula

This multicenter, randomized, controlled trial compared an exclusive human milk diet vs preterm formula in extremely premature infants. There was a significant difference in median parenteral nutrition days: 27 vs 36, in Prolact+ HMF vs preterm formula, respectively (P=0.04) and surgical NEC was significantly fewer in Prolact+ HMF (0 cases) vs preterm formula (4 cases), P=0.04.
Concentrated nutrition

Prolact+ H²MF® is the first and only 100% human milk–based liquid human milk fortifier that helps to support the developing immune systems and provide essential nutrients for preterm infants.

- Prolact+ H²MF® products provide a range of human milk protein from 2.3 g up to 3.7 g/100 mL when mixed with human milk (2.8 g to 3.6 g protein/100 Cal of fortified milk)⁶
- Prolact+ H²MF® products retain the oligosaccharide content similar to that of fresh human milk⁷
- Prolact+ H²MF® products provide naturally occurring DHA and ARA (levels may vary)
- Prolact+ H²MF® delivers energy from 24-30 Cal/fl oz of fortified milk.*⁶

*When milk being fortified is ≥20 Cal/fl oz.
Highest level of quality and safety currently available

Prolact+ H²MF® undergoes an advanced testing, screening, and standardization process prior to and during production.

Donor Application
Donor screened for HIV-1 & 2, HTLV I and II, HBV, HCV, syphilis

Raw Milk Testing
Donor DNA fingerprinting for assured donor identification; tested for drugs of abuse, nicotine, adulteration and dilution

Processing and Pasteurization
Donor milk concentrated and pasteurized

Final Product Testing
Final microbiological testing for aerobic count, B. cereus, E. coli, Salmonella, P. aeruginosa, coliforms, S. aureus, yeast, mold; final testing for virus by PCR

Labeling and Packaging
Nutrient content is analyzed. Product is labeled with lot-specific nutritional values, “use by” date, and color-specific labeling for safe storage, mixing and administration
Prolact+ H²MF®

Supporting the power of the human touch

• The first and only 100% human milk–based liquid human milk fortifier for preterm infants weighing 1250 g or less at birth

• Reduced odds of developing NEC by 77% in preterm infants weighing between 500 g and 1250 g at birth, vs cow milk–based fortifier or preterm infant formula*4

• Reduced median time on TPN by 9 days*5

• Concentrated nutrition to help support the developing immune system and provide essential nutrients

To optimize reimbursement for Prolacta’s products, call our dedicated staff of reimbursement professionals at 888-972-5505 or email reimbursement@prolacta.com

Choose Prolact+ H²MF® for preterm infants born weighing ≤1250 g at birth.

• To provide an exclusively human-milk diet to your smallest patients, call Prolacta Bioscience today at 888-PROLACT (888-776-5228)

• To learn more about Prolacta and the full line of 100% human milk–based products, visit www.prolacta.com or call 888-PROLACT (888-776-5228).

References:
6. Prolact+ H²MF Nutrition Information chart.

*When added to human milk.

Prolact+ H²MF® is manufactured by Prolacta Bioscience, City of Industry, CA 91746.