

# Products & Nutrition

At Mothers' Milk Bank of the Western Great Lakes, we are passionate about protein. Human milk protein, antibody, and fatty acid profiles change over the course of lactation and are affected by prematurity. We batch milk by developmental stage to capture the highest levels of protein and antibodies for our tiniest patients.

|  | <b>Preterm Pasteurized Donor Human Milk</b><br> | <b>Early Term Pasteurized Donor Human Milk</b><br> | <b>Term Pasteurized Donor Human Milk</b><br> |
|---|--|---|---|
| <b>Product Item Number</b>  | PT-50  | ET-50   | TERM-100 & TERM-120   |
| <b>Volume</b>   | 50 ml (1.7-oz)   | 100 ml (3.3-oz)   | 100 ml (3.3-oz) & 120 ml (4-oz)   |
| <b>Product Notes</b>  | Collected from preterm mothers during the 1 <sup>st</sup> month of life  | Collected from term mothers during the 1 <sup>st</sup> month of life  | Collected from term mothers during the 1 <sup>st</sup> year of life   |
| <b>Availability</b>   | Level III, IV NICU   | Level II, III, IV NICU  | NICU, Mother Baby, Outpatient   |
| <b>Total Protein</b>  | 1.6 g/dl   | 1.5 g/dl  | 1.1 g/dl  |
| <b>True Protein</b>   | 1.4 g/dl   | 1.2 g/dl  | 0.9 g/dl  |
| <b>Calories</b>   | 21 cal/oz  | 20 cal/oz   | 19 cal/oz   |

Nutrition data is based on mean values obtained from 43 individual batch samples sent to a third-party laboratory for analysis via full spectrum spectroscopy with the Foss MilkoScan FT 120. This instrument measures fat, protein, and lactose. True protein values are based on a calculation that removes 20% of the protein to account for non-protein nitrogen (NPN). This method may underestimate nutritional protein, as free amino acids are considered NPN. Calories are calculated by using true protein values.

## Fortification Guide

Convenient 50 ml and 100 ml bottles simplify fortification. Preterm and Early Term milk products are higher in protein and calories than our standard Term products; however, they should be fortified using a calorie assumption of 20 cal/oz. Any extra protein, immune factors, and antibodies are an added bonus! Please fortify all donor milk products the same way you fortify mother's milk in the NICU.