Prolacta BIOSCIENCE
Advancing the Science of Human Milk™

Safety, Testing and Processing

Donor Application
- Donor fills out Medical History Survey.

Medical Review
- Donor undergoes medical and social screening .
- Donor must provide written approval from her doctor and her baby's pediatrician.

Blood Testing and DNA Sample
- Donor is tested for: HIV-1 & 2, HTLV I & II, HBV, HCV and syphillis.
- DNA sample taken to create fingerprint of donor so milk can be verified once received at Prolacta®.

Donor Milk Shipment to Prolacta
- Donor is supplied with storage bags, ice bricks, an insulated cooler and a prepaid FedEx shipping label.
- Donor ships frozen milk to Prolacta.

Raw Milk Testing
- DNA matching for assured donor identification; *B. cereus* screening and drugs of abuse testing.

Processing and Pasteurization
- Bovine protein test and viral screening using PCR testing for the presence of HIV-1, HBV and HCV.
- Donor milk is formulated into fortifier or standardized human milk products then pasteurized following the standards of the Pasteurized Milk Ordinance set by the FDA.

Filling
- Product is filled into polypropylene or high density polyethylene bottles (both are BPA free), and frozen.

Final Product Testing
- Microbiological screening is conducted: Aerobic count, *B. cereus*, *E. coli, Salmonella*, *Pseudomonas*, coliforms, *Staphylococcus aureus*, yeast and mold.
- Full nutritional analysis is performed.
- Product is quarantined until all data are reviewed, verified and approved by Quality Assurance.

Labeling and Packaging
- Product is labeled with lot specific nutritional values, "use by" date and product lot number.
- Color specific labeling for safe storage, mixing and administration.

Quality Review
- Final verification against product specifications for quality assurance.

Shipping
- Frozen product is shipped to hospitals in insulated coolers with dry ice.

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