Milk Bank

Pasteurization Process





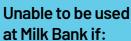




Donor is screened via telephone by Milk Bank Registered Nurse/ **Lactation Consultant**

Once approved, milk is expressed and put into containers appropriate for donation

Milk is frozen and stored at home no warmer than -18 °C



- > 3 months (fridge-freezer)
- > 6 months (chest/separate freezer)







Bacterial pre-culture is done

Milk arrives at Milk Bank and frozen at -20°C

Frozen human milk placed in insulated boxes provided by Milk Bank and shipped with courier









Selected combination of 3-5 donor deposits are thawed overnight and pooled in 5L glass beakers

Pooled milk is dispensed into plastic bottles and sealed for pasteurization



Bacterial Culture Post-pasteurization is

conducted (1 bottle)



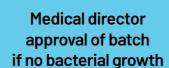




Bottles are submerged into pasteurizer heated to 62.5 °C and held for 30 minutes

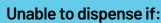


Bottles are rapidly cooled to 4°C



Bottles are labelled with Batch ID and placed in -20 °C 'Hold' Freezer

Temperature Data Log (Holding time at temperature confirmation)



- **Bacterial culture fails**
- Any Bacillus bacteria cultured
- Temperature graph < 62.5 °C for 30 minutes









The pasteurized milk is placed in long-term storage (-20 °C) -ready to dispense via hospital purchase order



Expiry date 6 months post pasteurization date

Courier distribution to hospitals

