

PROVIDING SAFE PASTEURISED DONOR HUMAN MILK (PDHM) FOR VULNERABLE INFANTS

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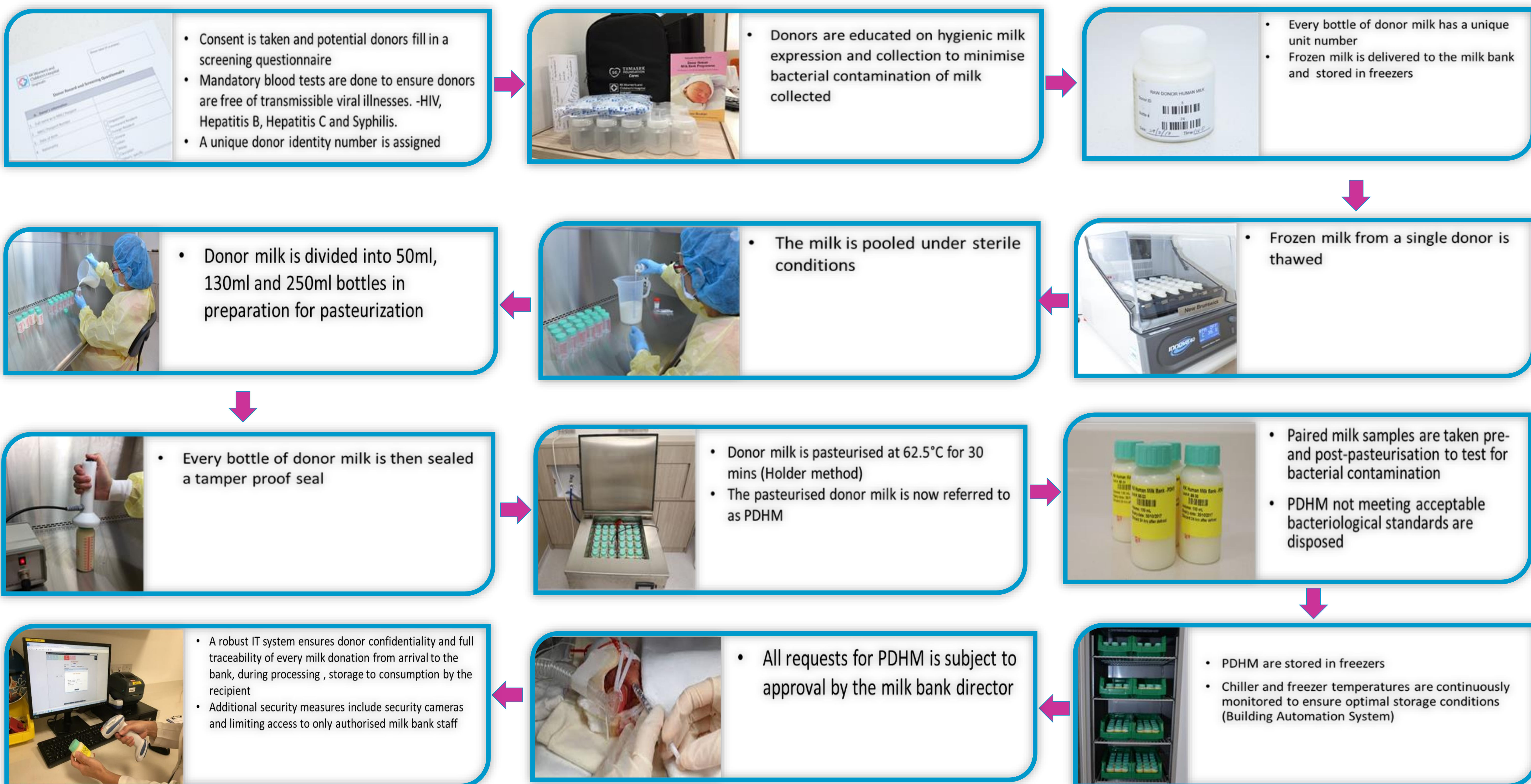
A collaborative effort with:

AIMS

- The KK Human Milk Bank (KK HMB) is the first of its kind in Singapore and the region
- It is an important clinical service because an exclusive human milk diet is scientifically proven to improve health outcomes in premature babies
- The aim of the milk bank is to provide a ready supply of safe PDHM for hospitalised premature and sick babies to supplement the milk supply of mothers who are unable to provide enough breast milk to meet their babies' needs

METHODOLOGY

- The KK HMB adopted internationally established guidelines
- The processes involved include donor recruitment, donor milk processing and storage as well as ordering and dispensing of PDHM to recipients
- Enterprise risk management (ERM) was undertaken prior to the launch to evaluate, stratify, mitigate and manage the risk of all the processes in its entire workflow to ensure that a robust system is in place and the PDHM provided for hospitalised premature and sick babies is safe and of good quality



RESULTS

KK HMB was successfully launched on 17 August 2017.

Donor screening was successful with low failure rate

- 0.7% (2 out of 290) of donors failed the screening questionnaire
- 0.7% (2 out of 290) failed the blood tests

The processing was well managed with little wastage of donor milk received

- 1.4% of 2883 litres of processed PDHM was discarded due to bacterial contamination

All requests for PDHM were successfully fulfilled

- 239 recipients have benefitted from the service
- No adverse events were reported

CONCLUSIONS

KK Human Milk Bank has achieved its goal and through ERM it has:

- Established a secure work environment
- Developed a standard for processing donor human milk into safe PDHM through stringent donor screening, bacteriological testing and proper handling and storage of human milk
- Implemented a robust system to ensure donor confidentiality and traceability for the benefit of our donors and recipients