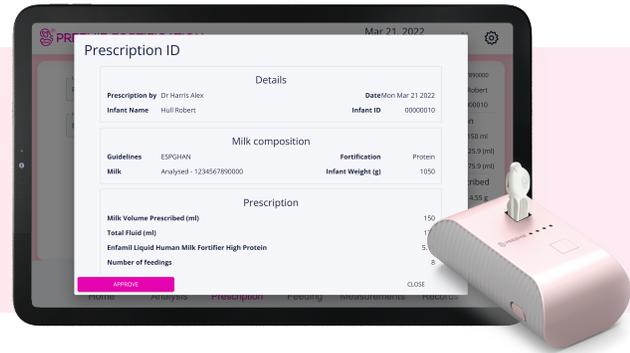


Preemie Fortification

Software for Neonatal Intensive Care Unit

This software works with the Preemie Sensor, and enables Neonatal Intensive Care Units to analyse the composition of mother's or donors' milk, to perform targeted fortification according to specific or customizable nutritional guidelines, and to record the feeding given as well growth measurements for each infant.



The user enters all the data about the infant (ID, age, comorbidities) and growth (weight, head circumference, length) through a user-friendly interface. The operations to analyse the milk are simple and fast: place a couple of drops of homogenized breast milk in the Nurvette® (the cuvette sold with the Preemie Sensor), insert it into the holder, and then into the Preemie Sensor. Upon pushing the scan button, the nutritional values of the analysed milk appear in the software in a few seconds. The software automatically calculates the suggested targeted fortification based on standard or customizable guidelines, the nutritional values of the milk analysed, and the infant's needs. The user can modify the suggested fortification to target it to each infant's nutritional requirements. The fortification prescribed and the actual intake of the infant are stored and can be automatically entered into the Preemie Tracker software or saved in a report that can be exported or printed. This information will be then used as a reference for a future prescription of the infant's feeding.

● Preemie Fortification software features

- Designed for targeted fortification in Neonatal Intensive Care Units, and to operate the Preemie Sensor for human milk analysis;
- Runs on an Android tablet, connects to the Preemie Sensor via Bluetooth, and requires an Internet connection to perform milk analysis and store the data;
- Automatically collects and stores the results of the analysis, with the following parameters being measured: Total Protein, Total Lipids, Total Carbohydrates, and Total Energy;
- Automatically calculates the suggested fortification based on reference parameters (infant's weight, guidelines, and fortifiers);
- Allows customization of the nutritional guidelines to address specific needs of each preterm infant;
- Allows customization of the fortifiers to be used based on the specific procedures of the NICU;
- Enables the entry and storage of data about infant nutrition (prescription and actual intake) and infant growth.

