

MasterScreen™ Paed
MasterScreen™ BabyBody



- Testing station for comprehensive pulmonary function diagnostics in premature infants, neonates, babies and toddlers
- MS Paed, a basic concept to start with
- MS BabyBody, a gentle diagnostic all-rounder
- Complies with international regulations, MDD and FDA

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MasterScreen™ BabyBody

Baby-Bodyplethysmography

Along with world's top researchers in the pediatric field, CareFusion developed new and innovative techniques to test infants in an easy and comfortable way. Infant Pulmonary Function Testing is no longer reserved to the scientific field.

Functional Residual Capacity (FRC) is a static lung volume that can be measured routinely in infants. It is an important parameter for defining normal lung growth. The plethysmographic method for measuring FRC is very simple to apply and enables repeat measures of lung volume to be obtained within a few minutes. This method has the further advantage of simultaneous measurements of Airway Resistance (Raw).

A gentle diagnostic method

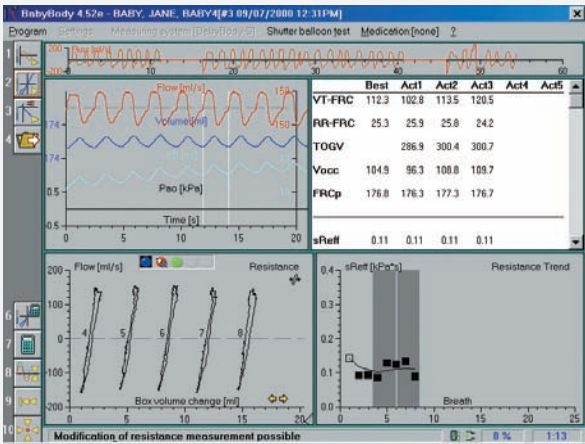


Bodyplethysmography in babies and premature infants can be performed with the easy-to-use MS BabyBody. The comfortable BabyBody provides a clear vision through the large transparent hood and offers rapid access to the baby. The measurements can be performed non-invasively while the baby is sleeping spontaneously.

The MS BabyBody is FDA approved for use in preterm and term infants without any restriction to age or length.

Now and in the future

The MS Paed and MS BabyBody interface seamlessly to our adult diagnostic systems providing a comprehensive lung function data-base to trend patient outcomes from birth through adolescence and into adulthood.



■ FRC & Airway Resistance

Continuous assessment of lung growth cannot be underestimated in understanding the evolution and natural history of disease processes.

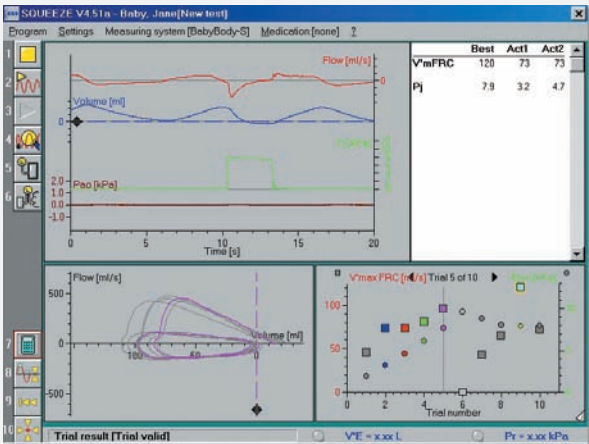
Currently, babies, infants and children of pre-school age represent one of the major challenges in lung function assessment. Evaluating lung function in these groups is important to improve clinical management considerably.

Discover the CareFusion pediatric family. Allow your little patients to grow up in a gentle and efficient diagnostic environment. Complementary pediatric products within the CareFusion family provide in the needs of your little patients.

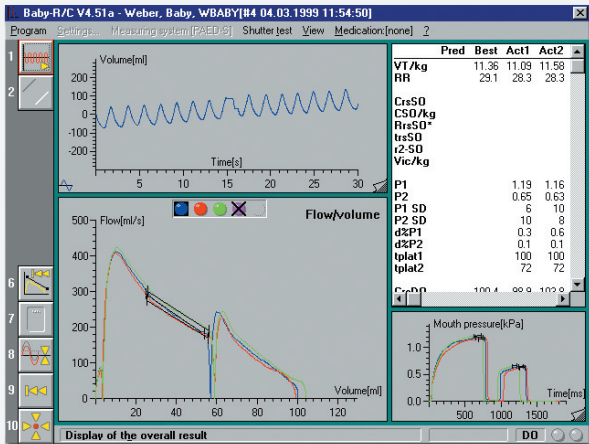


MS Paed with IOS

MS BabyBody



■ Rapid Thoracic Compression „Squeeze“



■ Respiratory Resistance & Compliance

MasterScreen™ Paed

A basic concept to start with

Recent studies show that tidal flow-volume analysis is useful in pediatric diagnostics. The parameters provide valuable information on how the baby's or infant's respiration is influenced. Tidal Breathing Analysis is especially suited for reversibility tests.

According to the needs growing towards a total concept

The expandable MS Paed has been especially designed for lung function testing in babies, premature babies, infants and adolescents. This efficient instrument defines tidal breathing parameters as well as Resistance and Compliance by Occlusion Technique quickly and easily. In order to cover the complete diagnostic range, the MS Paed can be utilized together with the MS BabyBody.

Raising the quality of care

The heart of the MS Paed is the user-friendly measurement program. All measurements are almost fully automatic; therefore full attention can be paid to the infant. The built-in quality control separates good trials from poor ones so that optimal results can be achieved. Like all our pediatric measurement programs the measurements are provided with a reanalysis mode. All data can be manipulated whenever required, thereby maximizing the efficiency of the precious test time.

MasterScreen IOS - effortless spirometry

Complete the MS Paed with the IOS option for children of pre-school age. IOS offers a comfortable way of pulmonary function testing. Oscillometry is proved to be a sensitive method for early screening and diagnosis. Consequently, it is a patient-friendly technique to assess the effect of bronchial provocation or medication.



■ MS IOS during use