

THE BABYSAMPLER™ SYSTEM

The BabySampler™ collection device is designed to capture mixed breath samples from infants and neonates when it is unlikely that an alveolar air sample will be captured and analyzed with a QuinTron breath testing analyzer.

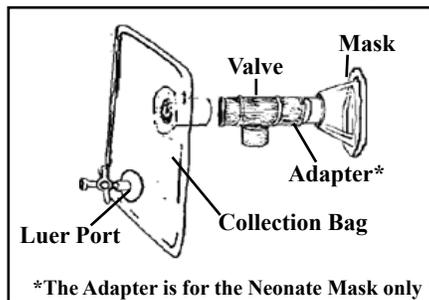
QuinTron's BabySampler™ System



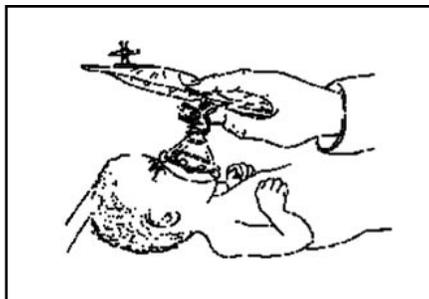
Use either a reusable or single-patient collection bag and a variety of masks.



Detailed Assembly



Place mask over the infant's mouth prior to inhalation.



ASSEMBLY

The BabySampler™ is comprised of a LOW VOLUME, NON-REBREATHING VALVE, an appropriate size FACE MASK, and a MINI-COLLECTION BAG. An adapter is required when the neonatal face mask is used, but all other face masks will fit directly onto the valve.

VERY IMPORTANT!!! To minimize loss of sample and facilitate transfer to either a syringe or sample holding bag, attach and close a 1-way stopcock to the small LUER PORT of the COLLECTION BAG **before a sample is collected.**

PROCEDURE

1. With valve and collection bag attached, gently place the mask over the mouth and nose of the child just prior to an inspiration.
2. Allow an average of 3-5 breaths.
3. Remove the mask with a complete expiration in order to capture as much of the breath as possible.
4. Remove the collection bag from the valve, and seal the bag with the RED CAP.

The sample collected will provide an adequate representation of mixed expired air, comprised of both dead-space air and alveolar air.

For a more accurate analysis of trace gas concentrations, we recommend the QuinTron Model SC MicroLyzer™ to analyze the samples collected with the BabySampler™.

HANDLING SAMPLES†

After the alveolar air sample is collected and the collection bag has been sealed with the RED CAP, the sample can either be analyzed immediately or stored for up to 10 hours. If you need to store a sample for a longer period of time, use a QuinTron SAMPLE HOLDING BAG, which can store samples up to three weeks.

Do not store samples in a refrigerator.

Remove the sample from the bag through the luer port by inserting a syringe with attached stopcock into the 1-way stopcock. Open both stopcocks and withdraw the sample.

When you have finished withdrawing samples from the collection bag for analysis, deflate the bag by removing the stopcock and pressing the bag against a flat surface, and use a syringe to ensure that the bag is completely empty.

†Be sure to consult the regulations set forth by your institution's Infection Committee regarding sterilization and disposal of breath collection devices. If you choose to use the mouthpiece and tee-piece for more than one patient, use an appropriate reagent to disinfect them. It is not necessary to wash the inside of the reusable collection bag, but you may want to run a stream of dry air into the large port and out through the luer port with a one-hole stopper and a piece of plastic tubing.

QUINTRON