

The SamplXtractor



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QT01930 EXTRACTOR TUBING SET:

- A. SAMPLE LINE
- B. WATER LINE, 90°
- C. WATER SUPPLY LINE
- D. WATER RETURN LINE

SC SamplXtractor – Instructions for Use

Please pay attention to the details of this procedure to achieve maximum accuracy.

1. Be sure the SC MicroLyzer settings are stable before using the SamplXtractor. Warm up, check set-up and adjust if necessary, and calibrate the Model SC MicroLyzer as described in the Model SC MicroLyzer Instrument Manual and/or Model SC MicroLyzer Abbreviated Operating Instructions.
2. **PLEASE NOTE:** It has come to our attention that FRESH Indicating Drierite (QT01156-C) used in the Drying Tube Assembly (QT01136-K) can absorb CO₂ from a patient sample. Since the Model SC utilizes CO₂ concentration as a reference for correcting H₂ and CH₄, absorption of CO₂ may lead to inaccurate correction factors *unless the Drierite is conditioned as follows:*

Flush 60cc of QuinGas-3 reference gas through each *freshly filled* Drying Tube Assembly. This will condition the Drierite and negate the effects of possible CO₂ absorption in the drying tube for subsequent use in drying the patient samples.

THIS PROCEDURE SHOULD BE FOLLOWED EACH TIME A DRYING TUBE ASSEMBLY IS REFILLED.

3. Prepare the SamplXtractor by checking the water volume in the reservoir and slowly flushing the water line by pumping the syringe, with the stopcock pointed up (closing the channel through the needle) until the air in the lines is expelled. Insert the line from the drying tube into the flush port of the SC MicroLyzer. Put the breath sample tube into the shuttle portion of the SamplXtractor, with the tube cap on top, and then lift the shuttle by the protruding handle until it is all the way to the top.
4. Turn the SamplXtractor stopcock handle sideways toward the water return line, which will close off the return line to the reservoir. Transfer water from the syringe to the tube by gently pushing on the syringe plunger. Fill the breath sample tube to the upper needle opening. Push the SC MicroLyzer Sample Valve to begin analysis of the sample. Wait for the panel readings to stabilize.

PLEASE NOTE: Avoid getting water into the Drying Tube Assembly. Change the tube when the Drierite is $\frac{3}{4}$ pink. Do not allow any water to get into the instrument through the SamplXtractor. Make sure that the Water Barrier (QT01140-K) is always in place when the sample line is connected to the instrument. If the Drying Tube Assembly and the Water Barrier fill with water, the barrier must be replaced, the Drierite in the drying tube must be replaced, and the needle must be back-flushed with 50-60 cc of air.

5. Lift the SC MicroLyzer's Corrected Values switch to display the breath sample's corrected values as described in the Model SC MicroLyzer Instrument Manual and/or Model SC MicroLyzer Abbreviated Operating Instructions and record the results.
6. Turn the stopcock handle up on the SamplXtractor, drop the tube holder and press the tube-release button in back of the holder. This will eject the water-filled tube, which can be removed and discarded.
7. Pull the valve stem out on the Model SC MicroLyzer and allow the numbers on the panels to return to baseline as described in the Model SC MicroLyzer Instrument Manual and/or Model SC MicroLyzer Abbreviated Operating Instructions before analyzing another sample.