

QUINTRON

BreathTracker™ DP

BREATH HYDROGEN AND METHANE ANALYSIS



Several studies demonstrate the importance of hydrogen-methane production, indicating that approximately 35% of healthy adult subjects are methane producers when breath testing for carbohydrate malabsorptions and small intestinal bacterial overgrowth.

- ▶ EASIER TO USE!
- ▶ RESULTS IN LESS THAN 50 SECONDS!
- ▶ FREE, UNLIMITED TECHNICAL SUPPORT

The BreathTracker™ DP measures both hydrogen and methane in a single sample of alveolar air. False negatives may be eliminated by measuring methane in addition to hydrogen by about 35%, increasing reliability to the breath test.

Several studies have found that significant volumes of methane and hydrogen are produced when bacteria metabolize sugar in the intestinal tract, and recent literature has focused on the interdependence and interaction of hydrogen and methane production in the colon. The reliability of the test is significantly improved when both H₂ and CH₄ are measured in the same sample and the temporal appearance of breath CH₄ and H₂ may indicate the location of the bacterial infection in the small intestine.

The BreathTracker DP separates the components using the basic principle of gas chromatography. Room air is used as the carrier gas, which is pumped through the system where the hydrogen and methane are separated from each other and from all other reducing gases. The hydrogen and methane are then carried sequentially past a solid-state sensor that is affected only by reducing gases. The signals are processed and the sample concentrations are shown on the instruments display.

- ▶ SELF-CORRECTION FEATURE
- ▶ TRADE-IN OPTIONS AVAILABLE
- ▶ EASILY UPGRADEABLE FOR ADDITIONAL CAPABILITIES
- ▶ LONG-LIFE, SOLID-STATE GAS DETECTION SYSTEM
- ▶ INTERNAL PUMP FLUSHES PREVIOUS SAMPLE OUT
- ▶ "ONE-TOUCH" CONTROLS

SPECIFICATIONS:

Resolution: 1 ppm H₂ and CH₄
Accuracy: 5% of full range for H₂ and CH₄
Linear Range: 2-150ppm H₂ and CH₄

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