

A simple test for

# Lactose Intolerance

## H<sub>2</sub> Check



**Other Applications include:**

Lactose mal-absorption

Carbohydrate mal-absorption

Carbohydrate breakdown deficiencies

Bacterial overgrowth

Intestinal transit time

Sucrose mal-absorption

Fructose mal-absorption

Lactulose bacterial overgrowth

Sorbitol mal-absorption

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Lactose is a sugar found in milk. Unless it gets changed into glucose it cannot be absorbed into the body. This change happens when the Lactose passes through the stomach into the small intestine and comes into contact with something called Lactase. If there is not enough Lactase present the Lactose cannot be broken down, this in turn leads to Lactose Intolerance. As a result, the hydrogen that is produced by bacteria is absorbed through the wall of the small or large intestine. The hydrogen then travels to the lungs where it is released and exhaled in the breath where it can be measured by the H<sub>2</sub> Check.

The H<sub>2</sub> Check is capable of diagnosing a range of gastroenterology disorders and food intolerances based on collecting Hydrogen breath results.

Building on experience gained over many years, the H<sub>2</sub> Check is an easy to use hand held device for the simple detection of Hydrogen on the breath. A simple breath test will display H<sub>2</sub> results in PPM.

The H<sub>2</sub> Check can be used on all age groups and types of patients. A face mask can be used on patients that are not able to comply with tidal breathing through a standard cardboard mouthpiece test.



*A simple breath test using the H<sub>2</sub> Check*



## *Simplicity is the key*

- Single switch operation
- Fast results in PPM
- Rapid response time
- Unique re-breathing system

### Specifications:

Gas detected	Hydrogen
Sensitivity	1ppm
Warm up time	15 seconds
Detection sensor used	Electrochemical
Operating temp	5-30°C
Operating humidity	30-90% RH
Accuracy	±5% or 5ppm
Dimensions	135 x 60 x 30mm
Weight	160g inc battery
Battery life	30 hours of continuous use

The H<sub>2</sub> Check is part of an extensive range of breath analysis devices and is available from MD Diagnostics as Catalogue No BH02

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### Bibliography

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