

X-halo

by DELMEDICA

Breath thermometer
for asthmatics

X-halo breathes new life into fight against asthma

**Revolutionary breath thermometer
is a powerful new tool in the
treatment of asthma**

Asthma is a chronic inflammatory disorder of the airways that causes over 250,000 deaths a year because of a lack of proper treatment or simply because treatment is just not available. The World Health Organisation ranks asthma 22nd among chronic diseases, with the sum of years of normal life lost to asthmatics at 15.3. Asthma afflicts 300 million people worldwide, and is on the rise due to changes to our modern and urban lifestyle. An additional 100 million asthmatics are expected to be diagnosed by 2025.

Many asthmatics around the world are not diagnosed until the symptoms are severe enough to prevent normal daily life, in part thanks to the limited number of tests for early screening. The X-halo breath thermometer promises to change that.

Breakthrough research has found airway inflammation in asthma is directly linked to breath temperature, which rises by up to 1.2 degrees Celsius before an attack.

The X-halo thermometer accurately measures this rise in a non-invasive and user-friendly way, giving doctors, carers and patients a new way to manage the condition before the onset of acute symptoms.

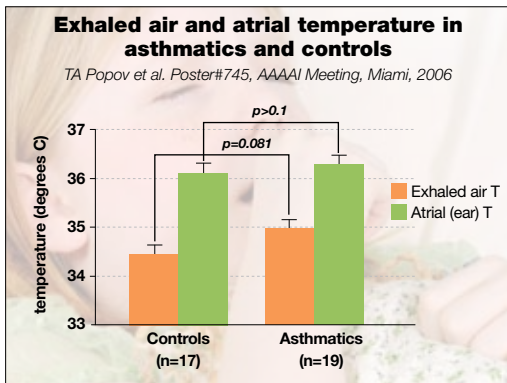
International asthma specialists and scientists trialling the X-halo report excellent results.

"There was a difference between the exhaled air temperature of asthmatics and controls. There was a significant difference between the exhaled air temperature of asthmatics before and after improvement under treatment."
TA Popov et al. AAAAI Meeting, Miami, 2006

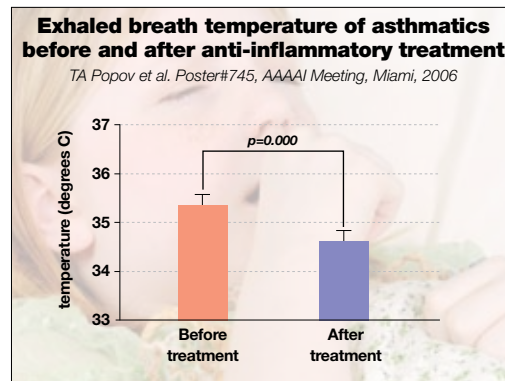
"...exhaled breath temperature is related to the degree of airway inflammation in asthma"
G. L. Piacentini et al.
Clinical and Experimental Allergy, 37, 415-419, 2007



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I N V E S T M E N T S



“EBT represents a different characteristic of the human organism than otic and axillary temperatures. EBT is increased in uncontrolled asthmatics and decreases under anti-inflammatory treatment.”
 Todor A. Popov et al. *Respiratory Medicine* (2007) 101, 2044–2050



“Temperature of exhaled breath is a useful indicator of asthma / airway inflammation control to be used by physicians and also by individual subjects at home.”
 Tanya Kralimarkova et al. *European Respiratory Society Meeting, Berlin, 2008*

- Using the X-halo is easy. Breathing normally, patients inhale through the nose and exhale through a mouthpiece into an environmental chamber. Each exhalation heats the thermal core.
- A measurement is recorded once the core's temperature reaches equilibrium. It takes just three to four minutes for the temperature to stabilise, and future versions are expected to reach equilibrium within 60 seconds.
- Clear audio and visual cues aid measurement. At the start there is a short beep and the mouthpiece lights up green. At the end, there is a long beep and the mouthpiece lights up red.
- The thermometer is accurate to 0.03 degrees Celsius.
- The final temperature is displayed and stored automatically. A built-in flash memory chip stores up to 122,400 measurements.
- The data can be downloaded to a computer via a USB port.
- The X-halo is fully portable. It does not need to be plugged in or recharged. It is powered by two AAA batteries, and can run continuously for 11 days.
- Users can choose between single- and multi-patient settings, making the X-halo suitable for both clinical and home settings.
- The X-halo is designed by Philips Electronics Singapore for Delmedica, and manufactured by Delmedica in Singapore.



About Delmedica Investments

Based in Singapore, Delmedica Investments are a specialist funding company offering investors access to the immense potential of the global biotechnology industry. Via their impressive resources and network of health care professionals, Delmedica identify new opportunities with tangible commercial potential, opportunities that represent low risk, high-growth and clear exit strategies. Recently the healthcare industry replaced technology as the fastest growing sector in the U.S., now accounting for 12% of the total U.S. economy. Find out how Delmedica offers the investor access to innovations that represent the future of the healthcare industry.

To order your x-halo visit
www.x-halo.com

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