

AMA Co Ltd

The leading Russian developer and manufacturer
of *Helicobacter pylori* diagnostic tools.
Since 1997 year on the market of diagnostics of digestive tract diseases!

Registration and certification

CE marked products AMA® RUT, HELIC ABT

The quality management system is certified according to the standards
ISO 9001:2008;
ISO 13485:2003

AMA trademark and logo are registered International trademarks



AMA was awarded with the prestigious gold medals at the European Invention Salon "Concours Lépine" in Strasbourg (France) in 2010 and 2011, at the VII International Salon of research, innovation and new technologies "MEDINNOVA-2011" in Casablanca (Morocco) and at the International Salon of Innovations "Olympics Tunis Innov" — in Tunis in 2013.



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HELIC ABT Reader

The innovative test system for
non-invasive diagnostics
of *Helicobacter pylori* infection
by breath method



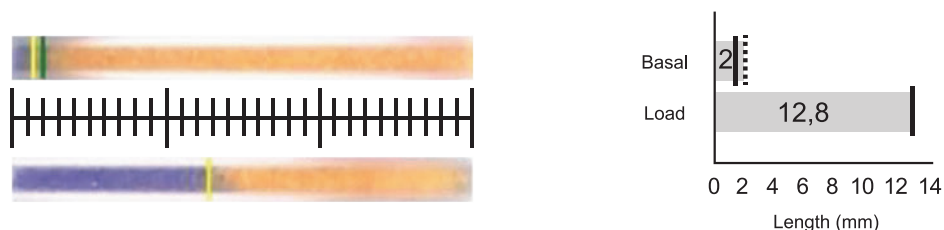
HELIC ABT Reader



HELIC ABT Reader – is an innovative automatic testing device, a ready-to-use test for qualitative detection of *Helicobacter pylori* (*H.pylori*) urease activity among patients with suspected *H.pylori* infection with high accuracy and without the involvement of the laboratory. During the patient examination two air samples are selected: before and after taking a portion of unlabelled urea ^{12}C . If the patient is infected with *Helicobacter pylori*, after taking a portion of unlabelled urea ^{12}C , the ammonia in the mouth cavity air will increase and the indicator composition in the tube will change its color from yellow to blue.

The device reads and compares the color change, after that gives the result.

An example of a positive result of the diagnostics of *Helicobacter pylori* using the HELIC ABT Reader:



Basal Length	2 mm
Load Length	12,8 mm
Length Difference	10,8 mm
Result Interpretation	Positive (+)

Components of HELIC ABT Reader:	Advantages
Automatic testing device (HELIC ABT READER) for automatic air sampling and reading the color of the indicator tube	It does not require periodical maintenance, because it doesn't have a built-in sensitive element.
Plastic tube sealed from both sides with an indicator composition of a certain length inside (indicator tube)	Checked up by longstanding clinical practice and provides a high sensitivity (95%) and specificity (97%)
Disposable mouthpiece	Makes the process of testing convenient for a patient. The mouthpiece prevents flooding of the tube by saliva.
The QR code, printed on a card, is included into every batch of HELIC ABT indicator tubes. The code contains information regarding the serial number, production date and shelf-life, and also contains information about various parameters, needed for the device in order to make precise reading of indicator tubes and to provide adequate testing.	Loads information for HELIC ABT Reader adjustment and for following interpretation of the results.
Software for HELIC ABT Reader, installed on a PC.	Controls the operation of the system and builds examination procedure step-by-step, allows to maintain a database and prints the examination reports.

* Computer is not included