Helori® AST

Eurospital®

Description

Helori®AST is enzyme immunoassay for the detection of *Helicobacter pylori* in stools.
The positive control provided with the kit allows a quick check of the proper working of reagents.

Configuration

Helori®AST	code	**7908**	packaging	**48 tests**

Application field

The direct detection of stool antigens has been proved to be a very important tool in the in vitro diagnosis of *Helicobacter pylori* infection.
Helori®AST is an enzyme immunoassay based on labelled monoclonal antibodies. This feature allows to reach a very high specificity still having a very high sensitivity. In this way, the method is as good as the urea breath test in the monitoring of eradication therapy with antibiotics and can be run just using the normal laboratory equipment.

Features of the product

- Negative and positive controls
- Break-away wells
- Easy-to-run sample extraction
- Calculation of results based on cut-off

Procedure outline

- Sample extraction
- Controls and extracted sample addition
- Incubate for 30 min at RT (room temperature)
- Addition of conjugated anti-*Helicobacter-antibody*
- Incubate for 30 min at RT
- Washing step
- Addition of TMB substrate
- Incubate for 10 min at RT
- Stop the reaction
- Visual reading and/or at 450 nm

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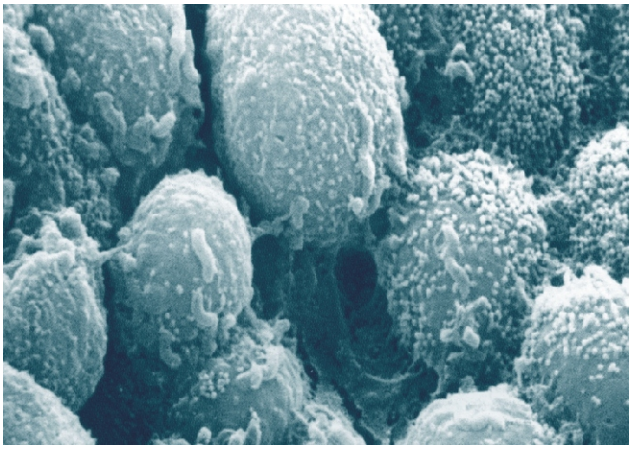
Helicobacter pylori infection

It is well known that the *Helicobacter pylori* infection is very diffused and the monitoring of the eradication therapy is extremely important in order to decide the possible "second line" therapy especially in adult patients younger than 45 suffering from persistent gastritis.

"Both Helicobacter pylori infection and non-steroidal anti-inflammatory drugs (NSAIDS) contribute both to increasing gastric/duodenal ulcers and bleeding risk" (Am J Manag Care 2001 sep; 7 (12 suppl) : S402-3).

The stool antigen test is considered to be one of the preferred test for the in vitro diagnosis of *Helicobacter pylori* infection. (*The Maastricht Consensus Report 2-2000*).



Results of a study performed by assaying Helori®AST.

Helori AST has been evaluated on 72 patients which underwent to gastroscopy.
Helicobacter pylori infection was evaluated by means of histology, Urea Breath test and serology[1].
The infection was considered to be present when at least 3 tests out of 4 were positive. Simultaneously, the search for *Helicobacter pylori* antigen was performed on patients' stool samples by means of **Helori AST**.
Using the above mentioned parameters, **Helori AST** showed a sensitivity of **94%** and a specificity of **100%**.
The Positive Predictive Value was 100%, while the Negative Predictive Value was **95%** achieving an accuracy of **97%**.

Eurospital SpA Via Flavia, 122 - I-34147 Trieste
Ph. +39 040 89971 - Fax +39 040 280944 - www.eurospital.com

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