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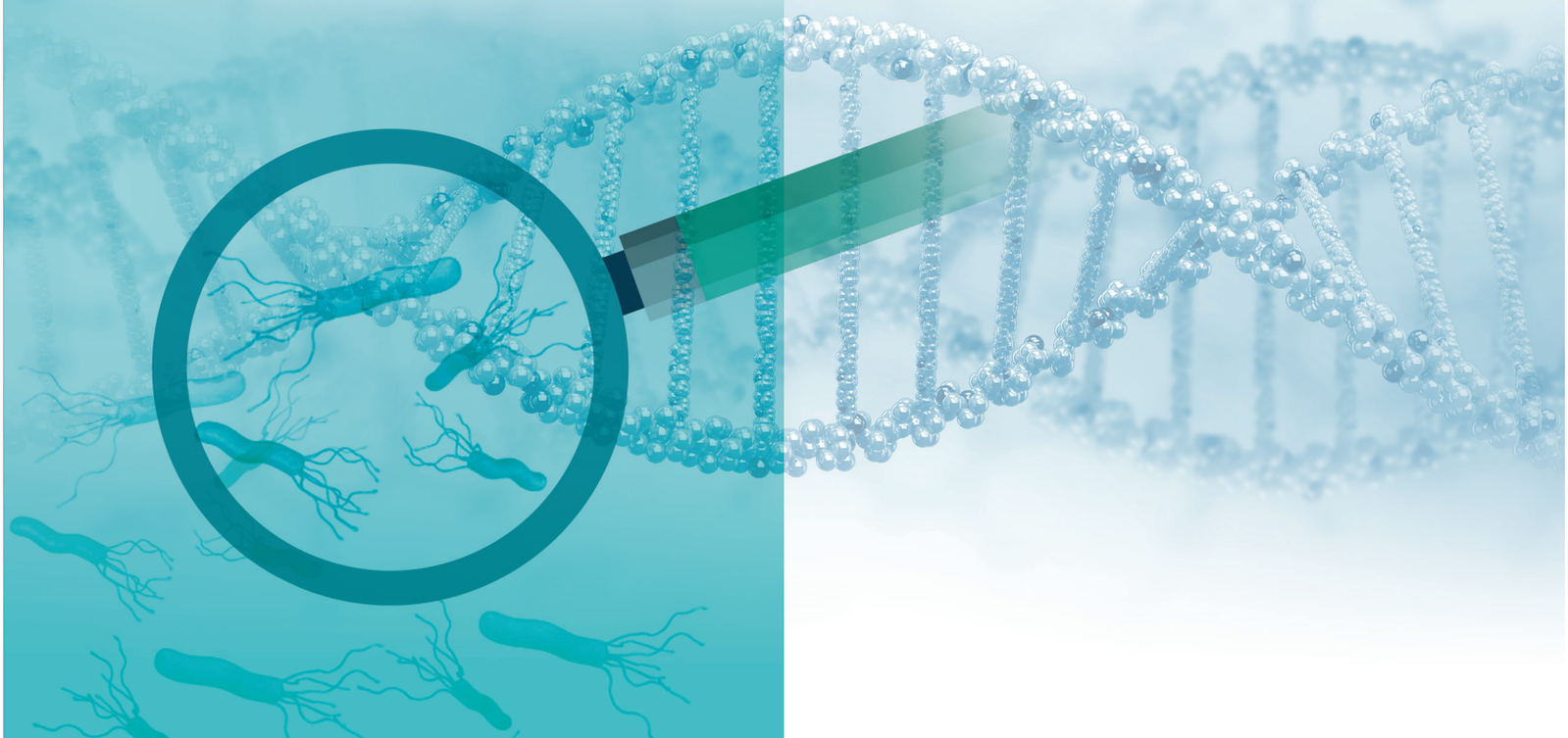

Antibiotic resistance in Helicobacter pylori is a risk to human health

- **Helicobacter pylori (H. pylori) is one of the most common bacterial Infections worldwide and is closely associated with the incidence of chronic gastritis, peptic ulcers, and gastric cancer**
- **Current Management of H. pylori is based on a unified first line antibiotic treatment followed by second, and third-line treatment in case of eradication failure.**
- **The extent of eradication failure is estimated to be as high as 30%**
- **Eradication failure results mainly due to the bacteria resistance to the recommended antibiotic treatment regimen**

Savvygen H. pylori & Antibiotic Resistance

A First Line Screening RT-PCR Assay for H. pylori and it's resistance to Clarithromycin from Stool Specimens

- Non-Invasive Test, minimizes patient discomfort
- Allows for optimal antibiotic treatment and better management of H. pylori
- Reduces Misuse of Antibiotics

First line antibiotic resistance test is recommended by the Maastricht Consensus Group

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Savvygen H. pylori & Antibiotic Resistance

Savvygen H. pylori & Antibiotic Resistance test is a qualitative molecular test for the identification of H. pylori bacteria and 3 mutations related to its antibiotic resistance to Clarithromycin (A2142C, A2142G, A2143G) from stool samples of symptomatic patients.

Work flow

Apply samples

Automated extraction and PCR setup

Load the PCR plate on the thermocycler

1h PCR amplification

Interpret results

Automated interpretation

High throughput work flow

- Automated extraction and PCR setup
- Automated interpretation with user-friendly interphase

Fast

96 samples within 2.5 hours

Accurate

- Sensitivity 98%
- Specificity 100%

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