

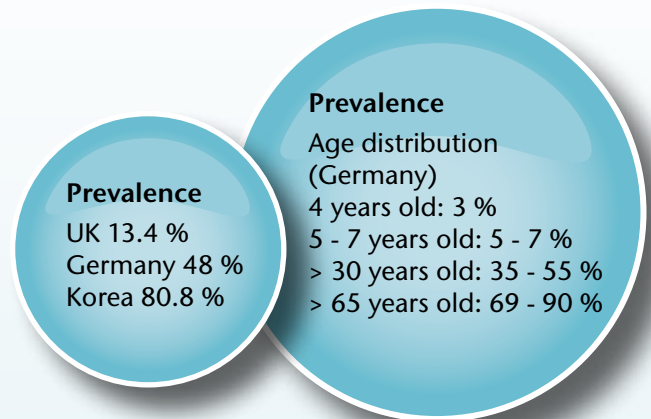
# RIDASCREEN® Helicobacter RIDA® QUICK Helicobacter

## Reliable diagnostics for initial detection and therapeutic monitoring

- Non-invasive *H. pylori* detection with monoclonal antibodies
- No break in treatment required
- No patient preparation required
- Suitable for testing patients of any age

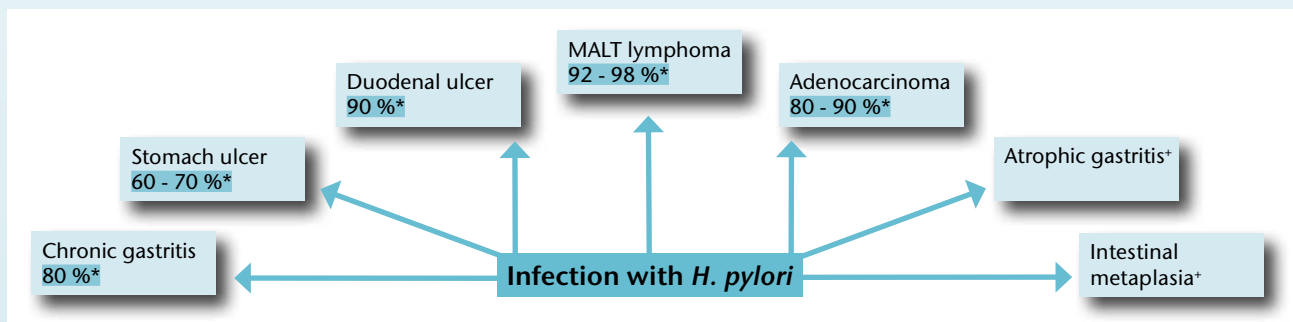
## Prevalence and transmission

50 % of the global population is infected with *H. pylori*. The prevalence of *H. pylori* infections varies significantly from country to country and increases with age. Prevalence is affected by factors like genetic predisposition, hygiene, nutrition and environmental factors. *H. pylori* infections in children are highly dependent on the infection status of the mother and can be transmitted in saliva or through smear infection (gastral-oral, fecal-oral).



## Diseases associated with *H. pylori*

*H. pylori* infections can cause a variety of severe disorders affecting the gastrointestinal tract. The majority of these are associated with *H. pylori* colonization. Eradication treatment of *H. pylori* is indicated in case of gastritis, ulcers, MALT lymphoma and for risk patients with an active *H. pylori* infection.



\* Frequency of *H. pylori* association/+ not applicable

## Non-invasive detection methods

The non-invasive procedure for detecting *H. pylori* in stool specimens is far more comfortable for patients than an invasive gastroscopy. The non-invasive stool antigen test and the semi-invasive urea breath test are suitable to detect an active *H. pylori* infection. However, compared to the stool antigen test, the urea breath test is more susceptible to errors caused by bacterial overgrowth, proton pump inhibitors (PPI), upper gastrointestinal bleeding, partial gastrectomies, mucosal atrophy, intestinal metaplasia, stomach cancer and MALT lymphoma. The antigen detection systems RIDASCREEN® Helicobacter and RIDA®QUICK Helicobacter require neither a break in treatment nor special patient

preparation. They are both stable towards the listed disturbing factors of the urea breath test.

Both *H. pylori* antigen detection systems of R-Biopharm provide reliable diagnoses and facilitate therapeutic monitoring for every age group.

**Tab.1:** Sensitivity and specificity of various non-invasive *H. pylori* detection methods

Non-invasive methods	Sensitivity (%)	Specificity (%)
Urea breath test	85 - 95	85 - 95
IgG/A antibodies detection in serum	70 - 90	70 - 90
Stool antigen test based on monoclonal antibodies	85 - 95	85 - 95

Source: S2k guideline DGVS

### RIDASCREEN® Helicobacter, Art. No. C2302



- The easykit format of the RIDASCREEN® Helicobacter enables direct application of the ready-to-use reagents in fully automated systems, such as DSX® and Agility®
- Tests can be performed for other parameters in the RIDASCREEN® portfolio using the universal dilution buffer (diluent 1)
- Suitable for large specimen series

		Competitor EIA (CLIA)		Total
		+	-	
RIDASCREEN®	+	43	3	46
	-	6	209	215
Total		49	212	261

Positive agreement: 90.5 %

Negative agreement: 97.9 %

Prospectively collected samples were stored and tested in portions of 50 - 100 samples.

Five samples were excluded from the analysis due to equivocal results of the competitor's EIA (CLIA).

### RIDA®QUICK Helicobacter, Art. No. N2303



- The RIDA®QUICK Helicobacter kit contains everything required for a near patient testing
- Easy handling and short waiting periods quickly provide objective results

		Competitor EIA (CLIA)		Total
		+	-	
RIDA®QUICK	+	37	6	43
	-	12	206	218
Total		49	212	261

Positive agreement: 80.4 %

Negative agreement: 95.8 %

Prospectively collected samples were stored and tested in portions of 50 - 100 samples.

Five samples were excluded from the analysis due to equivocal results of the competitor's EIA (CLIA).

## Ordering information

Product	Description	Matrix	Tests	Art. No.
<b>Enzyme immunoassay</b>				
RIDASCREEN® Helicobacter	Enzyme immunoassay for the detection of <i>Helicobacter pylori</i>	Stool	96	C2302
RIDASCREEN® H. pylori Reference Controls	Reference controls A and B		2.0 ml each	CRP2304
<b>Immunochromatographic rapid test</b>				
RIDA®QUICK Helicobacter	Immunochromatographic rapid lateral flow test for the detection of <i>Helicobacter pylori</i> Single pouched cassettes	Stool	25	N2303
RIDA®QUICK Helicobacter Control	Positive control		1.8 ml	NP2304

## Other products for detecting bacterial infections

Product	Description	Matrix	Tests	Art. No.
<b>Enzyme immunoassay</b>				
RIDASCREEN® Campylobacter	Enzyme immunoassay for the detection of <i>Campylobacter jejuni</i> and <i>Campylobacter coli</i>	Stool	96	C2401
RIDASCREEN® Clostridium difficile GDH	Enzyme immunoassay for the detection of glutamate dehydrogenase of <i>Clostridium difficile</i>	Stool	96	C0701
RIDASCREEN® Clostridium difficile Toxin A/B	Enzyme immunoassay for the detection of toxins A and B of <i>Clostridium difficile</i>	Stool	96	C0801
RIDASCREEN® Clostridium perfringens Enterotoxin	Enzyme immunoassay for the detection of the enterotoxin of <i>Clostridium perfringens</i>	Stool	96	C0601
RIDASCREEN® Legionella	Enzyme immunoassay for the detection of <i>Legionella pneumophila</i>	Urine	96	C8001
RIDASCREEN® Verotoxin	Enzyme immunoassay for the detection of verotoxins 1 and 2 (shiga toxins 1 and 2) of <i>Escherichia coli</i> bacteria	mTSB-Bouillon	96	C2201
<b>Immunochromatographic rapid test</b>				
RIDA®QUICK Campylobacter	Immunochromatographic rapid lateral flow test for the detection of <i>Campylobacter</i> Single pouched cassettes	Stool	25	N2403
RIDA®QUICK Clostridium difficile GDH	Immunochromatographic rapid lateral flow test for the detection of <i>Clostridium difficile</i> GDH Single pouched cassettes	Stool	25	N0703
RIDA®QUICK Clostridium difficile Toxin A/B	Immunochromatographic rapid lateral flow test for the detection of <i>Clostridium difficile</i> Toxin A/B Single pouched cassettes	Stool	25	N0803
RIDA®QUICK Verotoxin/O157 Combi	Immunochromatographic rapid lateral flow test for the detection of verotoxins and/or <i>E. coli</i> O157 Single pouched cassettes	mTSB-Bouillon	20	N2203