

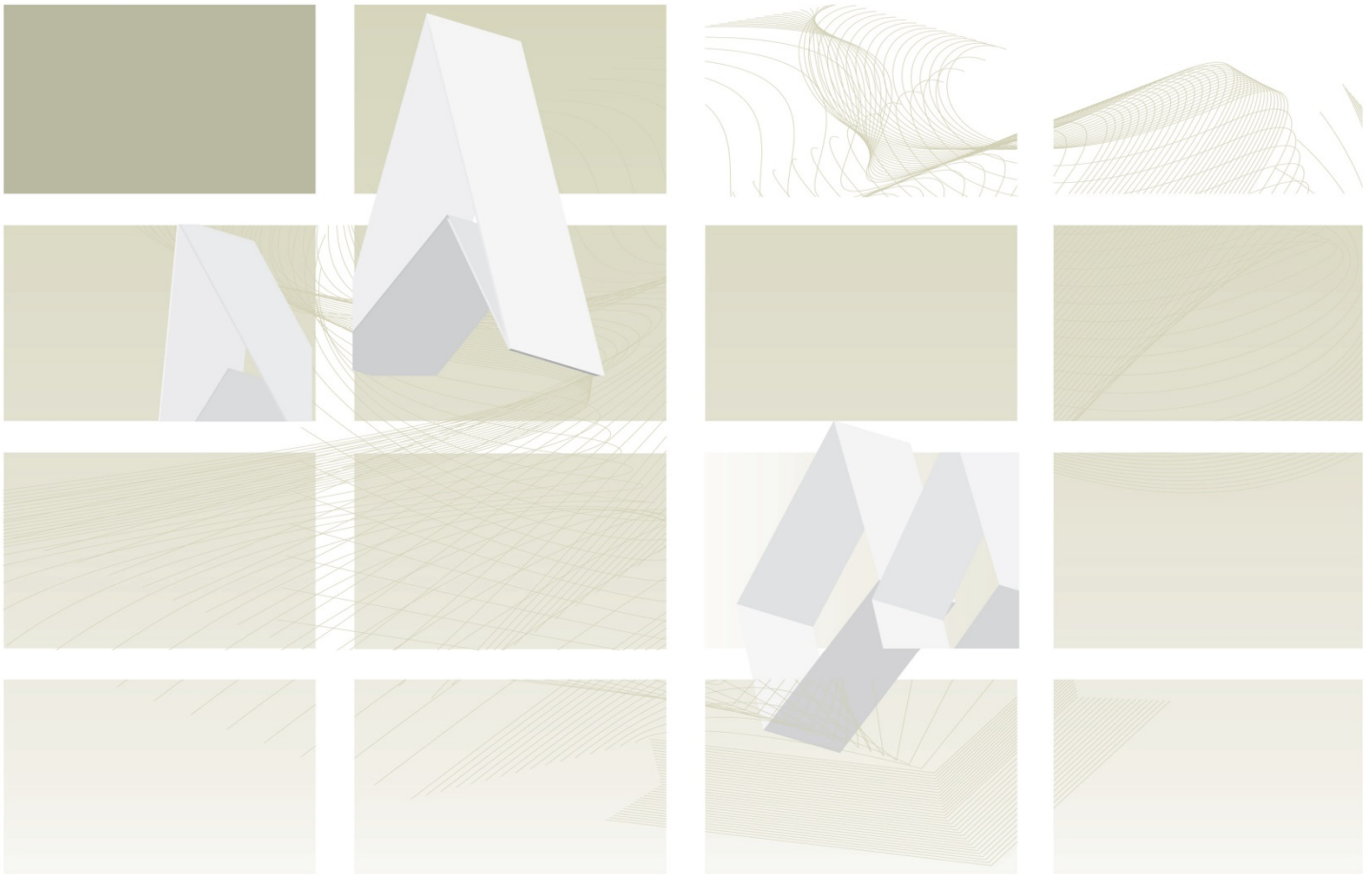


Protecting and improving the nation's health

UK Standards for Microbiology Investigations

Review of users' comments received by
Working group for microbiology standards in clinical
bacteriology

B 55 Investigation of gastric biopsies for *Helicobacter pylori*



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Recommendations are listed as ACCEPT/ PARTIAL ACCEPT/DEFER/ NONE or PENDING

Issued by the Standards Unit, Microbiology Services, PHE

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Consultation: 23/08/2013 – 15/11/2013

Version of document consulted on: B 55dg+

Proposal for changes

Comment number	1		
Date received	15/11/2013	Lab name	IBMS Microbiology Advisory Panel
Section	Investigation of Gastric Biopsies for <i>Helicobacter pylori</i>		
Comment	<p>a. Investigation of Gastric Biopsies for <i>Helicobacter pylori</i>. The SMI regularly refers to the urease broth test and urease broth. It should state urease test and urea broth. Urease is the enzyme produced to breakdown urea and is not contained in the broth. BD do refer to their broth as 'Urease broth' but all other companies refer to the broth as Urea Broth (may cause bias to a particular manufacturer's product).</p> <p>b. I'm also sceptical of the evidence provided that suggests the use of serology to detect <i>H. pylori</i> infection is useful and accurate. In my opinion this contradicts the PHEs own guidance document 'Test & Treat for <i>Helicobacter pylori</i> in Dyspepsia'. Quick Reference Guide for Primary Care suggests that serology is not of value, and Urea Breath Test or Stool Antigen are the more sensitive methods of detection for primary care patients. Current NICE guidance also suggests the use of UBT or Stool antigen.</p>		
Recommended action	<p>a. ACCEPT</p> <p>'urease broth test' is not referred to in the 'under consultation' document, 'biopsy urease test' is used. This has been updated to 'biopsy (urease test)' or 'urease test' as appropriate throughout the document.</p> <p>'Urease broth' has been changed to 'urea broth' throughout document.</p> <p>Reference to the rapid urease test (RUT) has been added to the document.</p> <p>Tonkic A, Tonkic M, Lehours P, Megraud F. Epidemiology and diagnosis of Helicobacter pylori infection. Helicobacter 2012;17 Suppl 1:1-8.</p> <p>b. ACCEPT</p> <p>The group agreed that serology was not recommended method for the majority of patients. This has been reflected in the document and the text regarding serology has been updated.</p> <p>Serological tests do not have equivalent diagnostic accuracy to the stool antigen test or the urea breath test, The latest Maastricht consensus states that only validated IgG serology tests may be used in certain situations. This information has been added to the</p>		

	<p>introduction of the document.</p> <p>Management of Helicobacter pylori infection--the Maastricht IV/ Florence Consensus Report. European Helicobacter Study Group. Gut. 2012 May;61(5):646-64</p> <p>PHE guidelines 'Test & Treat for Helicobacter pylori in Dyspepsia' and 'Quick Reference Guide for Primary Care' have been assessed and added to the references.</p>
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Respondents indicating they were happy with the contents of the document

Overall number of comments: 1			
Date received	07/11/2013	Lab name	Royal Oldham Hospital