

¹³C Urea Breath Test

RELEVANCE:

Considered to be the golden standard for the diagnosis of Helicobacter pylori infection

SUBSTRATE / TEST DRINK:

Oral dose of 75 mg of [¹³C]urea (99%), dissolved in 250 ml of orange juice

STATUS OF PATIENT: After overnight fast

TIMING OF SAMPLE COLLECTION: 0, 20 minutes

EVALUATION: The cut-off value is DOB = 4 ‰

REFERENCES:

- Braden B, Caspary WF and Lembcke B (1999): Nondispersive Infrared Spectrometry for ¹³CO₂/¹²CO₂-Measurements: A Clinically Feasible Analyser for Stable Isotope Breath Tests in Gastroenterology. Z Gastroenterol 37, 477 - 481
- Tsironi E, Paticos K, Michael M et al. (2000): Is the Intake of Second Sample of ¹³C-Urea Breath Test in 20 Minutes Suitable to Monitor the H. pylori Infection Status? Gut 47 (Suppl. III) A 117
- Graham KS, Graham DY (1998): H pylori-Associated Gastrointestinal Diseases. Handbooks in Health CareCo., Newtown, Pennsylvania, USA