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## Important publication for Diabact<sup>®</sup> UBT!

In the beginning of the development of Diabact UBT an important article was published:

“A Novel Tablet-Based <sup>13</sup>C Urea Breath Test for *Helicobacter pylori* with Enhanced Performance during Acid Suppression Therapy”.  
A. Hamlet, L. Stage, H. Lönroth, C. Cahlin, C. Nyström & A. Pettersson.  
Scand J Gastroenterol 1999;34:367-374.

This article describes the advantages with the tablet formulation with citric acid and that it is possible to wait only 10 min before sampling.

It is all about the fact that there is no background value which influences the result. Liquid tests must have a higher cut-off to compensate for the background and the time to sampling also has to be longer for the same reason.

Citation from the article:

*” After drinking the urea solution, even H.pylori-negative subjects had an increased excess  $\delta^{13}\text{CO}_2$  excretion during the first 10 min, resulting in several false-positive results, whereas after intake of the tablets, the background <sup>13</sup>C urea hydrolysis was close to zero and no false positive results occurred. Compared with the conventional liquid UBT, the tablet based UBT also gave higher mean excess  $\delta^{13}\text{CO}_2$  values in H. pylori positive subjects during the first 20 min after dosing, and the peak value occurred much earlier (10 vs 40 min). This suggests that the <sup>13</sup>C urea tablet confers protection against oropharyngeal urease activity, thereby leaving more urea to be hydrolysed in the stomach.”*

*“The optimal cut-off point for the tablet based UBT should be lower owing to its much lower levels of background <sup>13</sup>C urea hydrolysis in uninfected subjects and greater separation between positive and negative UBT results”.*

We know that some competitors argue that it is not possible to wait for only 10 min and use a cut-off of 1,5, but this article shows the relevance. Please also keep in mind that validation studies with the same result have been made and submitted to the authorities for registration. The competitors that claim Diabact gives false results then also imply that the authorities have not been doing their job correctly.

Please use these findings in discussions with your customers when you try to convince them of the superiority of Diabact UBT.

Best regards  
Kibion  
/Ingegerd