

# **<sup>13</sup>C** Mixed Triglyceride Breath Test

**RELEVANCE:** Pancreatic Function

**SUBSTRATE/TEST MEAL:**

100 g of toast and 0.25 g of butter to which 16 mg of <sup>13</sup>C-mixed triglyceride per g is added, per kg of body mass

**STATUS OF PATIENT:** After overnight fast

**TIMING OF SAMPLE COLLECTION:** 0, 30, 60, 90, 120, 180, 240 minutes

**EVALUATION:** FANci-Software yields 6h-% cumulated dose CD.  
Malfunction, if CD < 22 %

**REFERENCES:**

- Ghoos Y, Rutgeerts P, Hiele M et al. (1988): Use of Stable Isotopes in Gastroenterology: <sup>13</sup>CO<sub>2</sub> Breath Tests. In: Klinische Ernährung 34. Use of Stable Isotopes in Clinical Research and Practice. International Workshop. Berlin, Zuckerschwerdt-Verlag, 52-61
- Vantrappen GR, Rutgeerts PJ, Ghoos YF et al. (1989): Mixed Triglyceride Breath Test: A Noninvasive Test of Lipase Activity in the Duodenum. Gastroenterol 96, 1126-1134
- Perri F and Andriulli A (1998): "Mixed" Triglyceride Breath Test: Methodological Problems and Clinical Applications. Rev Med Univ Navarra 42, 99-103
- Ferri F, Pastore M, Vesta V et al. (1998): Intraduodenal Lipase Activity in Celiac Disease Assessed by Means of <sup>13</sup>C Mixed Triglyceride Breath Test. J Paediatr Gastroenterol Nutr 27, 407-410