

## Abstract

$^{13}\text{C}$ -MTG breath tests are used for exocrine pancreas diagnostics. It is a quite expansive test and its usage has never been tested in clinical practice in long time horizon.

This study is engaged in pre-analytical phase and contains a group of 4 people who were tested for 6 months and this is the first study ever that has been proceeded in a long time horizon. The half-year profile of these 4 people showed that some of those results are spread of tens percents against its average.

The test of  $\text{CO}_2$  stability showed that the value of  $\text{CO}_2$  is independent on the temperature which the breath bag is stored in. Its concentration was same for the time of 7 days. Now we can say that the breath bags are insensitive in case of transporting and storage. The question is, why the value of  $\delta^{13}\text{C}/^{12}\text{C}$  changed.

The results of this study point on fact that values of cumulative dosage recovery of these 4 people did change.