Progress in life sciences comes with such a fast pace that it is impossible to predict which biomarkers or molecules a researcher will be able to detect or wishes to measure in the future. That is why researchers need to make sure that biomaterial used today will be exactly the same when used at a later stage. Storage in multiple smaller tubes or in larger tubes that are repeatedly thawed and refrozen limits the chances of success. The first option is much more time-consuming and increases the possibility of human error, the second option diminishes the sample quality over time.

Increased usage of biomarkers in combination with the aforementioned fundamental problems of the existing cryotubes has resulted in the need of a flexible cryotube. This was what sparked Dr Ove Andersen’s, Head of the Clinical Research Centre at Hvidovre University Hospital in Denmark, genius idea for a cryotube that could be easily divided into subsections. A team of life science experts and entrepreneurs from Denmark and Switzerland materialized Dr Andersen’s idea, created 1Cryobio AG, an innovative start-up company in Technopark Lucerne, and the result of their researches was FlexiQuot.

FlexiQuot is the first, patent protected, dividable 5 ml cryotube in the world that can be broken into five 1 ml aliquots. Thus, the researcher can snap off and thaw the quantity of the sample that is required for an analysis, without needing to thaw the whole sample. Using the specific snapping and holding tools for FlexiQuot tubes, any contact with the frozen sample surface is avoided, to ensure that there is no contamination at all. Thanks to multiple caps that can cover both sides of the snapped aliquot and the remaining sample, the aliquots are safely sealed. The remaining sample is kept in the freezer, without any impact on its quality that a continuous procedure of thawing and freezing could bring. Blood proteins and other sensitive plasma biomarkers can thus be preserved for a long time, available for accurate future testing. This ensures the best results for the laboratories at any time. FlexiQuot combines the flexibility of standard 1 ml cryotubes with the cost-effectiveness of 5 ml cryotubes. Life sciences experts predict that it will bring a true revolution in cryogenic storage.

**Value creation through**
- Long-term sample handling flexibility
- Higher sample quality and stability
- Contamination and error reduction
- A more efficient workflow
- Optimized freezer storage
- Sample tracking efficiency

FlexiQuot is distributed in Switzerland by Faust Laborbedarf AG.

For more information or a free sample, please visit the producer’s website.

www.faust.ch
www.1cryobio.com