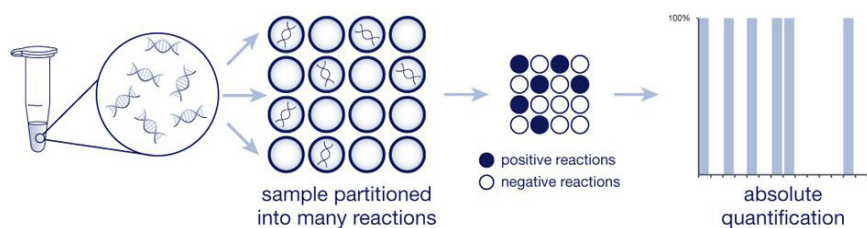


Digital PCR

TATAA Biocenter is a preferred
OpenArray® Digital PCR Service Provider

TATAA Biocenter offers to perform your Digital PCR, the most powerful and accurate method to quantify the number of specific DNA molecules in a sample

TATAA Biocenter has joined forces with Life Technologies to become Europe's first provider of Digital PCR services. Our service is based on the unique OpenArray® platform from Life Technologies that aliquots sample into 3072 reaction chambers offering unprecedented accuracy and sensitivity in Digital PCR.



To determine the number of DNA molecules in a sample with high precision, the sample is divided into a very large number of aliquots that each is analyzed with real-time PCR. Assuming that the number of aliquots is much larger than the number of template molecules in the sample, most aliquots will contain no template, producing no PCR product, while those aliquots that contain template will most frequently have only a single copy. Hence, by calculating the number of positive PCR's, what is virtually counted is the number of template molecules that were present initially in the sample. The precision of Digital PCR approach is very high; superseding that of qPCR.

Detect and count your nucleic acids with increased accuracy and sensitivity!

Examples of Digital PCR applications:

- Determining copy number and study copy number variation
- Early detection and quantification of rare mutations
- Detection and quantification of rare bacterial and viral species without cultivation, even in the presence of vast excess of related species
- Quantification of template for Next Generation Sequencing
- Single cell analysis

What service is provided?

- Experimental design
- Assay design
- Send your samples to TATAA Biocenter and we will perform the Digital PCR analysis for you
- Biostatistical analysis
- Other applications such as SNP, gene expression, and microRNA analysis

How do I get started?

- Contact TATAA Biocenter with a request at services@tataa.com or call +46 (0)31 761 57 00
- You will receive an offer within 5 working days of your request

OpenArray® is a registered trademark of Life Technologies

