



## HIGH-THROUGHPUT ANALYSIS SERVICES AT TATAA BIOCENTER

TATAA Biocenter is meeting the challenges of today's high-throughput research environment by offering exceptionally cost efficient high-throughput analysis services on the:

- **BioMark™ System from Fluidigm**
- **QuantStudio™ 12K Flex OpenArray® Platform from Life Technologies**
- **3D-Gene™ from Toray Industries**

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### BIOMARK™

DISCOVER THE SYSTEM THAT PROVIDES THE SENSITIVITY AND THROUGHPUT REQUIRED TO STUDY GENE EXPRESSION DOWN TO THE SINGLE CELL LEVEL


The BioMark system is a high-throughput qPCR instrument that uses integrated fluidic circuits known as dynamic arrays. The dynamic arrays run 96 samples and 96 arrays on one chip, which is equal to 9216 simultaneous qPCR reactions.

» Use as little as 10 picograms of starting material – do more with less!

#### Applications:

- Gene expression: Marker validation, Single cell gene expression
- Digital PCR: Validation of standards, Rare mutation detection, Copy number variation
- Genotyping: SNP association

**TATAA OFFER OF THE MONTH\***



**Gene expression analysis on 96x96 BioMark chip**  
**9,216 data points in one run**

**Industry 26 000 SEK / Academia 19 900 SEK**

\* Valid for signed projects until March 31 2013, customer provides assays and preamplified sample material

## QUANTSTUDIO™ 12K FLEX OPENARRAY®

### PROCESS HUNDREDS TO THOUSANDS OF SAMPLES PER DAY WITH MINIMAL HANDS-ON TIME

The QuantStudio™ 12K Flex OpenArray® system is a qPCR instrument which provides speed, high throughput and is at the same time cost efficient.

QuantStudio™ 12K Flex OpenArray® Plates consist of 3072 through-holes that can be loaded with reagents to perform individual 33 nL qPCR reactions. Increase your throughput by as much as 32-fold by running 4 OpenArray® plates in a single run on the QuantStudio™ 12K Flex system. It's the equivalent of 32 traditional 384-well qPCR plates or 12,000 data points.

#### Applications:

- Gene Expression
- Digital PCR
- miRNA profiling
- Genotyping

The system is flexible and you choose between using your own assays, TaqMan® assays for gene expression and genotyping or use the pre-designed MicroRNA Panels

#### TATAA Biocenter performs your SNP genotyping\*

##### Price example

» 1,43 SEK / SNP - 4000 samples and 64 SNPs/sample

» 1,61 SEK/SNP - 3840 samples and 32 SNPs/sample

*\*Customer provides minimum 2.5 µl sample of extracted DNA with a concentration of 50 ng/µl*



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## 3D-GENE™

### A NEW DIMENSION IN MIRNA MICROARRAY SENSITIVITY AND REPRODUCIBILITY – IDEAL FOR TOUGH SAMPLES

TATAA Biocenter offers microarray analysis of miRNA on a novel microarray technology using the 3D-Gene™ from Toray Industries.

3D-Gene™ ensures a 100-fold increase in sensitivity and is ideal for challenging samples and low abundance targets, it is thus ideal for analyses of formalin fixed paraffin embedded (FFPE) tissue samples. This innovative technology also makes it possible to measure genes expressed at very low levels that might be undetected by other array platforms on the market.

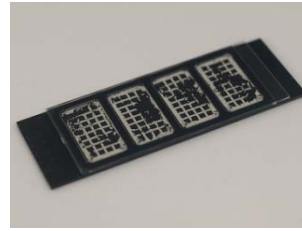
3D-Gene™ Human miRNA chips are constructed using the latest information available from the Wellcome Trust Sanger institute / University of Manchester miRNA database (miRBase)

## TATAA Biocenter performs your miRNA analysis\*

Price example miRNA analysis - Human, Mouse or Rat

» 2950 SEK/sample - 20 samples

*\*Customer provides 250 ng total RNA per sample*



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## MEET TATAA AT QPCR&NGS 2013 EVENT IN FREISING

Next Generation Thinking in Molecular Diagnostics - Symposium, Exhibitions and Workshops

Take the opportunity to talk to us at TATAA about qPCR!  
We will help you to get the most out of your qPCR experiments by introducing our services, products and courses.

**Plats:** Freising-Weihenstephan, Technical University of Munich, Germany

**Date:** 18th - 22nd March 2013

» [Go to qPCR&NGS 2013 Event](#)

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## LATEST NEWS

**Grant opportunity with TATAA partner Ingenuity!**

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**Calculator for the mean and confidence intervals for digital PCR data launched by University of Utah: uCount**

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**Listen to presentation "Circulating tumor cells: Challenges & Perspectives" by TATAA collaborator Klaus Pantel**

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**Read TATAA's latest single cell gene expression profiling paper**

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**Listen to presentation by TATAA partner Arcticzymes on the removal of contaminating DNA in RT-qPCR**

» [Read More](#)

**Listen to presentation by TATAA partner Exiqon: "Identifying miRNA in Biofluids to be Applied as Robust Biomarkers for Disease, Toxicology or Injury Studies – The case of Minimally Invasive Colorectal Cancer Detection"**

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**Buy 1 and get 1 Ingenuity iReport for free - until 31 March 2013**

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**TATAA Biocenter is complementing its offerings in high-throughput gene expression profiling with Ingenuity® iReport™**

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**Grant from TATAA partner Exiqon for microRNA profiling**

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LET US HELP YOU WITH YOUR NUCLEIC ACID ANALYSIS!

FIND HIGH QUALITY PRODUCTS FOR YOUR QPCR WORK IN OUR [WEBSHOP](#)

TO GET EXPERT ADVICE AND CONSULTATION, YOU ARE WELCOME TO USE OUR [COMMISSIONED SERVICES](#)

GET MORE KNOWLEDGE AND HELP YOURSELF THROUGH OUR [HANDS-ON COURSES](#)

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