TATAA Newsletter 2016-02-24

tataabiocenter

Express Your Genius With qPCR

Get started with and improve your NGS workflow

NGS has great potential and is becoming an important tool in biomedical research, whether you want to target specific regions or sequence the whole genome, transcriptome, epigenome, or metagenome of a species or single cell.

How can TATAA Biocenter help you?

- We can help you to choose the library preparation kit, amplicon panel and data analysis software suitable for your needs.
- **Time Limited Offer – 30% discount on unique products to improve NGS sample prep (keep reading!).**
- We also offer NGS services in our own lab. We design your NGS project to fit your research and budget and assist you through the whole NGS workflow with library preparation, quality controls, sequencing, and data analysis.
- Hands-on course 7-8 April, 2016: 2 days NGS – Library construction and quality control.
- NGS seminars at Karolinska Institute 9th of March, 2016.

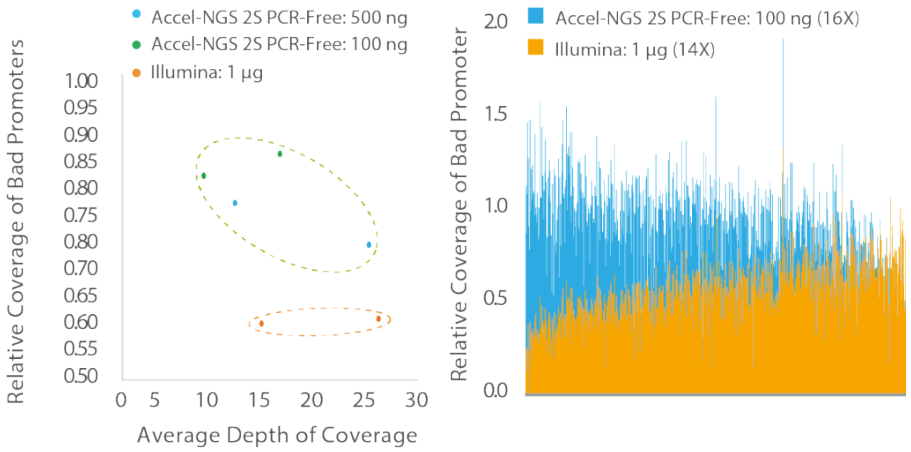
Time Limited Offer – 30% discount on unique products to improve NGS sample prep

» Accel-NGS® DNA Library Kits

- Highly efficient adapter ligation technologies reduce or eliminate the need for PCR amplification
- Simple and fast protocols
- High complexity libraries from a variety of sample types and input levels
- **Accel-NGS 1S Plus DNA Library Kit** capture single-stranded DNA
- **Accel-NGS 2S Plus/2S PCR-free DNA Library Kit** for intact double-stranded DNA
- **Accel-NGS Methyl-Seq DNA Library Kit** maximizes DNA recovery of bisulfiteconverted samples

» Accel-Amplicon™ Panels

- Powerful solutions for detecting and screening clinically relevant mutations
- Designed for compatibility with short DNA fragments (FFPE and cell-free circulating DNA)
- 10's to 100's of primer pairs in a fast and easy single-tube format provides Best-in-class performance for on-target percentage and coverage uniformity, enabling variant discovery and confirmation



Try it out – 30% discount!*

- Accel-NGS 2S Plus DNA Library Kit for Illumina (DL-IL2SP-12)
- Accel-NGS 2S PCR-Free Library Kit for Illumina (DL-IL2PF-12)
- 2S Set A Indexing Kit (12 indices) (SI-ILM2S-48)
- Accel-NGS 1S Plus DNA Library Kit for Illumina (DL-IL1SP-12)
- 1S Set A Indexing Kit (12 indices) (SI-IL1SP-12)
- Accel-NGS Methyl-Seq DNA Library Kit (DL-ILMMS-12)
- Methyl-Seq Set A Indexing Kit (SI-ILMMS-12A)
- Accel-Amplicon 56G Oncology Panel (AL-IL56G-12)

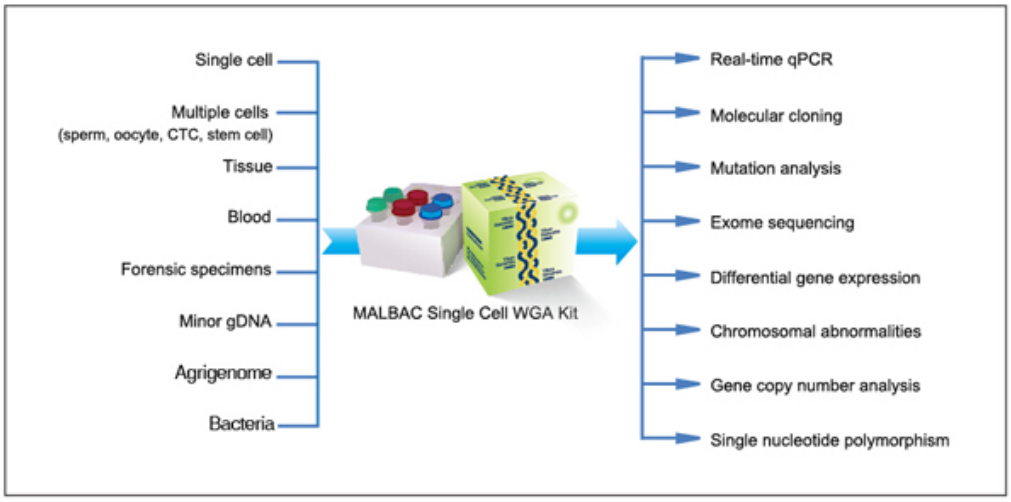
**The offer is valid for orders placed until 7th of March 2016, limited to the number of kits in stock.*
Note that the kits expires in March 2016.

Whole Genome Amplification for Single Cells or Minor Genome

» MALBAC Single Cell WGA Kit

- Quasilinear amplification with least amplification bias
- Reproducible representation including consistent locus amplification in both AT- and GC- region
- High Coverage, <10% locus drop-out
- Rapid Procedure with 1 tube, 3 steps and 4 hours
- Application for CNV&SNV analysis, PGS/PGD, CTC, etc.

MALBAC Single Cell WGA Kit is based on the novel patented MALBAC technology, and provides rapid, reliable and reproducible whole genome amplification from single cells or equivalent gDNA (picogram level) to produce 2-4 micrograms of amplified gDNA in about 4 hours.



NGS data analysis software

» Strand NGS – Analyse.. Visualize.. Annotate.. Discover

Strand NGS-formerly known as Avadis NGS, is an integrated platform that provides analysis, management and visualization tools for next-generation sequencing data. It supports extensive workflows for:

- Alignment
- RNA-Seq
- DNA-Seq
- ChIP-Seq
- Methyl-Seq
- MeDIP-Seq
- Small RNA-Seq

Strand NGS also provides support for pathway analysis, GO enrichment, GSEA, GSA and NLP derived interaction networks.

Hands-on course 7-8 April, 2016: 2 days NGS – Library construction and quality control

Target audience: Beginners to Medium experienced NGS users

Entrance qualifications: Basic Molecular biology or similar

Description: This course gives an introduction to massively parallel sequencing (also called Next Generation Sequencing, NGS), and its many applications. The course consists of a theoretical part, which will focus on considerations for the NGS experiment design, the different sequencing platforms, quality control of samples, library preparation techniques, and quantification of libraries for sequencing. The course also includes practical parts where the participants will prepare libraries and perform quality control and compare libraries.

» Registration

» Read more

TATAA Biocenter and Integrated DNA Technologies invite you to a seminar: How next generation sequencing (NGS) can be used in your research

Date: 9th of March, 2016

Time and locations:

> 2:30–4:00 pm
Cancer Center Karolinska (CCK), R8:00, CCK Lecture Hall, entrance floor

> 11:00 am–12:30 pm
Department of Cell and Molecular, Biology (CMB), Karolinska Institute, von Eulers väg 3, Room D224

Description: Please join us for a discussion on next generation sequencing and its wide array of research applications. We will introduce the latest NGS technologies and provide insights into how they can be applied in your research. In addition, we will discuss the importance of oligonucleotides in an NGS workflow and demonstrate how individually quality-controlled oligos improve coverage depth and uniformity.

» Register by email (register@tataa.com**) no later than March 4, 2016.**

Meet us

Receive a **30% discount*** when registering for the

Molecular Diagnostics World Summit (MolrDIAx 2016) in London UK
19 – 20 May, 2016

*contact info@tataa.com to receive the discount code

News

The Clinical NGS landscape presented by DeciBio, TATAA contributed to the expert panel.

Webinar: Streamlining large scale analysis using the Strand NGS Pipeline Manager

TATAA Biocenter intensifies collaboration with AstraZeneca and companies in the BioVentureHub

Life Genomics raises capital for high throughput NIPT laboratory and consumer genomic testing

TATAA Biocenter and Yikon Genomics announce strategic partnership to distribute Yikon's MALBAC™ products for single cell profiling and YK-PGS™ Solutions in Europe

Protein profiling of neurology markers using Proseek Multiplex Neurology I 96×96 is now offered by TATAA

READ MORE

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 course

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