

First HiSeq of Fasteris Successfully Validated

Geneva, Switzerland, 12 July 2010.

Fasteris is pleased to announce the installation and validation of its first illumina HiSeq 2000 next-generation DNA sequencing instrument.

Fasteris has ordered two HiSeq to replace its two Genome Analyzer GAIIx.

The HiSeq results in at least a 8x increase in throughput for Fasteris: one HiSeq has two flow-cells, each flow-cell can be read on both sides and the runs are 2x faster.

The 2x101 bp validation run with two PhiX flow-cells took 8 days and generated over 270 billion bases of pass filter sequences. This means that more than 80 millions “inserts” were sequenced in each channel, approximately 3x more than with the GAIIx.

Starting mid-July 2010, Fasteris offers HiSeq services with reads lengths of 50 or 100 bp, single-reads or paired-ends. With production samples, we plan obtaining at least 50 millions pass filter “inserts” per channel. The prices will be lower than with the GAIIx.

With the lowering costs of high-throughput sequencing, one of the major cost driver of sequencing projects is sample preparation.

Fasteris has developed multiplexing for up to 48 libraries as well as a 96-wells plate sample preparation protocol for genomic samples.

This 96-wells Fasteris protocol, together with multiplexing, has been successfully applied to Agilent SureSelect target enrichment projects.

About Fasteris

Fasteris was founded in 2003 in Geneva, Switzerland, by Laurent Farinelli and Magne Osteras to provide DNA sequencing services.

In 1996, while at GlaxoWellcome, Dr. Farinelli co-invented with Pascal Mayer the DNA Colonies now known as DNA Clusters, the key technology of the illumina sequencing technology used in the Genome Analyzer and HiSeq systems.

Fasteris was the first service provider in the world to acquire a Solexa 1G (now illumina Genome Analyzer) instrument end 2006.

Fasteris has a long track record of developing new protocols for the Genome Analyzer and is pleased to serve research customers world-wide.

Since January 2009 Fasteris is Certified Service Provider for illumina sequencing applications and since November 2009 for Agilent SureSelect target enrichment system.

Fasteris scientists are co-authors of 7 high-impact publications, while our services are cited in tens of publications and patents.

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