

WT-Ovation™ Exon Module

Prepare targets for analysis on Affymetrix GeneChip® Exon and Gene ST Arrays

NuGEN's WT-Ovation™ Exon Module enables global gene and exon-level expression analysis of RNAs from small and difficult samples on the Affymetrix GeneChip® Exon and Gene ST Array platforms.

Utilizing cDNA generated with NuGEN's sensitive whole-transcriptome RNA amplification systems, ST-cDNA targets are ready to be labeled and fragmented in less than 2 hours.

**WT-Ovation FFPE or Pico RNA
Amplification System
+
WT-Ovation Exon Module
+
FL-Ovation™ cDNA Biotin Module
=
NuGEN's Exon Solution**

Take picograms of RNA to array in a day and a half with the most sensitive and simple target labeling solution available for the Exon and Gene ST GeneChip platform.

imagine

Achieve greater sensitivity and reproducibility

more

Accelerate studies with higher throughput

from less

Access small, precious samples

WT-Ovation™ Exon Module

Take advantage of the superior speed, sensitivity, ease of use, performance, and convenience of the WT-Ovation™ Exon Module today.

The NuGEN WT-Ovation™ Exon Module provides access to limited and degraded RNA samples for analysis on Affymetrix GeneChip® Exon and Gene ST arrays. In conjunction with NuGEN's sensitive and robust whole transcript RNA amplification and biotin labeling systems, total RNA can be transformed into targets ready for hybridization in about a day and a half. Starting from as little as 100 pg total RNA, this simple, sensitive system does not require the tedious removal of ribosomal RNA and is readily automatable. The kit includes all the reagents necessary to generate sufficient ST-cDNA for array analysis from 3 µg of starting amplified cDNA. Gene and exon expression studies from small and degraded clinical samples such as LCM and FFPE RNAs are now a reality.



imagine more | FROM LESS™

WT-Ovation™ Exon Module

Catalog No.: 2000-12, 12 reactions
2000-60, 60 reactions

Input: 3.0 µg of cDNA
Yield: >5 µg of ST-cDNA

Technical Documents

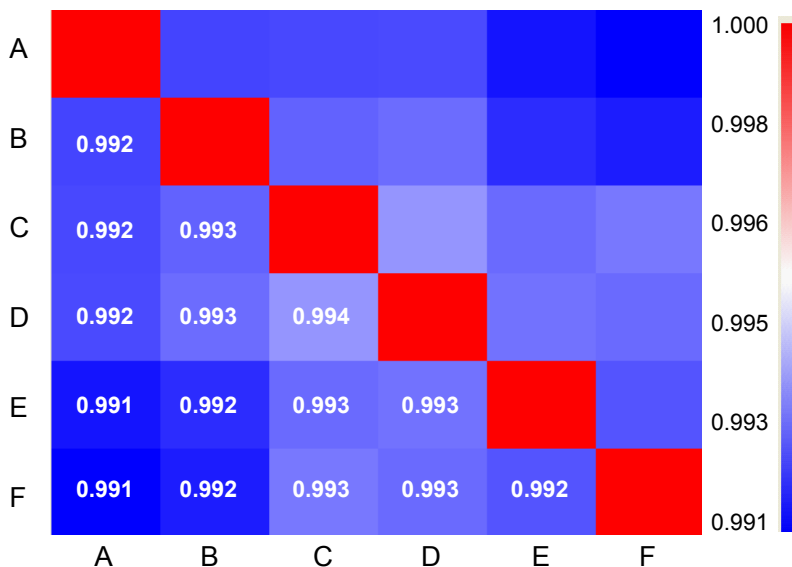
WT-Ovation™ Exon Module User Guide
WT-Ovation™ Exon Module Quick Protocol
WT-Ovation™ Exon Module Technical Reports

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Array Reproducibility: GeneChip® Gene 1.0 ST arrays were hybridized with fragmented and biotin-labeled ST-cDNA generated by six users in six different laboratories. A very high degree of array signal Pearson correlation ($r > 0.991$) was observed for all pairwise comparisons demonstrating a high degree of reproducibility and robustness of the NuGEN Exon solution. Gene ST array signal values were normalized using RMA and Pearson correlation was plotted using the Expression Console analysis package.

OVATION
SYSTEM

NuGEN Technologies, Inc.

www.nugeninc.com