

# Ovation™ RNA Amplification System V2

*imagine more* | FROM LESS™

## ***imagine***

*Achieve greater sensitivity and reproducibility*

## ***more***

*Accelerate studies with higher throughput*

## ***from less***

*Access small precious samples*

Prepare amplified cDNA from nanograms of total RNA for gene expression analysis on multiple platforms

A simple procedure enables accelerated data generation, increases throughput, and allows for preservation of precious, irreplaceable samples.

A single sample preparation, regardless of sample input size, provides greater data compatibility through enabling multiple analytical methods.

This modular product now provides flexibility in study design and workflow, allowing the same cDNA product to be used for qPCR analysis as well as microarrays with NuGEN's fragmentation and labeling modules.

***From 5-100 nanograms of total RNA to qPCR and arrays in just one day***



**OVATION**  
SYSTEM™

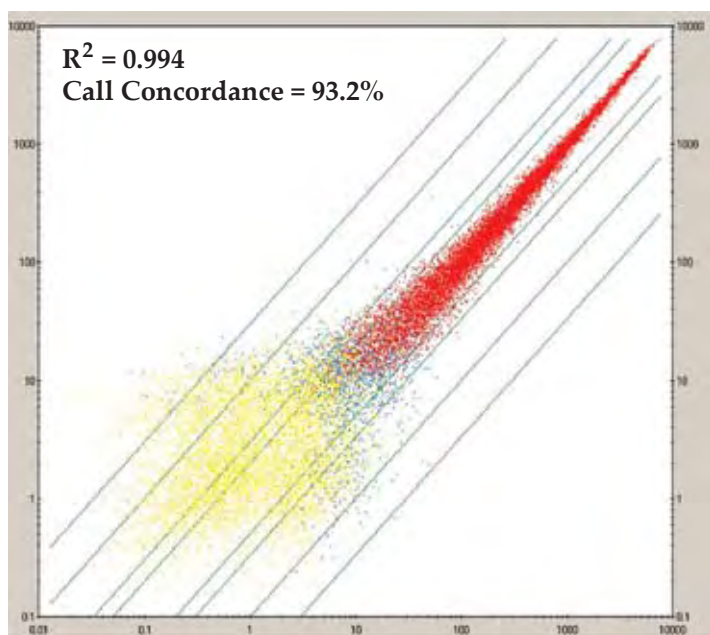
***NuGEN Technologies, Inc.***

[www.nugeninc.com](http://www.nugeninc.com)

# Ovation™ RNA Amplification System V2

Take advantage of the superior speed, sensitivity, ease of use, performance, and convenience provided by the Ovation™ System V2.

The Ovation™ RNA Amplification System V2 is the modular version of NuGEN's Ovation™ Biotin System amplification components. A sensitive, accurate and reproducible amplification method powered by NuGEN's proprietary Ribo-SPIA™ technology, the Ovation™ RNA Amplification System V2 offers a simple three hour process, starting with as little as 5 ng of total RNA, up to 10,000 fold amplification yields micrograms of cDNA ready to use for RT-PCR. Amplified cDNA can also be used for GeneChip® array analysis using NuGEN's FL-Ovation™ cDNA Biotin Module V2, and takes 5 ng of total RNA to array hybridization in just one day.



**High level of reproducibility demonstrated by signal correlation and call concordance**  
Duplicate amplifications of 5 ng of HeLa total RNA were performed using the Ovation™ RNA Amplification System V2, the amplified cDNA was fragmented and labeled using the FL-Ovation™ cDNA Biotin Module V2, according to product user guides, then cDNA targets were hybridized to Affymetrix HG-U133A 2.0 GeneChip® arrays. Results of linear regression analysis show a strong signal correlation of  $R^2 = 0.994$  and call concordance of 93.2%, demonstrating very high level of reproducibility across transcript abundance, even with only 5 ng of total RNA input.

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## Ovation™ RNA Amplification System V2

Catalog No.: 3100-12, 12 reactions  
3100-60, 60 reactions

Input: 5 - 100 ng RNA

Yield: 4 - 7 µg cDNA

*(This product is the modular version of NuGEN's Ovation™ Biotin System's amplification components)*

## Technical Documents

Ovation™ RNA Amplification System V2 User Guide  
Ovation™ RNA Amplification System V2 Quick Protocol  
Ovation™ RNA Amplification System V2 Technical Reports

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