

Thermocycling & amplification



More mRNA

Current RNA amplification systems are limited because they rely on the 3' end of the RNA to initiate amplification. These 3'-biased methods only amplify mRNA with intact Poly-A. NuGEN's WT-Ovation RNA Amplification System, the process can now be initiated from anywhere along the mRNA without the need for a Poly-A tail. Researchers can now effectively study splice variants, examine archived

or degraded samples, investigate prokaryotic samples, and bank or archive amplification products of precious samples.

<http://www.nugeninc.com/>

RNA quantification

TaqMan MicroRNA assays from Applied Biosystems bring the convenience and accuracy of real-time PCR to microRNA (miRNA) quantification, and offer a scalable solution for every research application. To ensure accurate results, each individual miRNA assay has been functionally validated under laboratory conditions. They are highly specific, and can quantify only mature miRNAs, not inactive precursors; are fast and scalable—the two-step assay provides high-quality results in less than three hours; and sensitive, requiring only 1–10 nanograms of total RNA or equivalent.

<http://www.appliedbiosystems.com/>

Liquid handling



Transfer station

The Labcyte Echo 550 compound reformatter uses a new 'touchless' transfer technology based on focused acoustic energy to perform direct microplate-to-microplate transfers of droplets down to 2.5 nanoliters. Monitoring of acoustic energy reflected from well plate fluids enables the Echo 550 to measure the water content in dimethyl sulfoxide and measure well fluid volume. Applications for use include plate replication and reformatting of compound libraries in DMSO, and plate compressions or expansion from 384 or 1,536 well source microplates to 96, 384 or 1,536 destination microplates.

<http://www.labcyte.com/>



Pipettor calibration

Matrix Technologies offers a Pipettor Service Program where factory-trained, certified technicians perform calibration service or preventive maintenance on Matrix and most pipettor brands and models. Calibrations are completed in less than 48 hours, and preventive maintenance and calibration in less than 72 hours. Customers receive an e-mail confirming receipt and service request, and a post-service e-mail notifying the customer of the shipping carrier and tracking number.

<http://www.matrixtechcorp.com/>