



AROS Tip of the Month July/August

Human Genome expression analysis has become significantly cheaper

Building on 10 years of experience in conducting analyses on most Affymetrix® arrays, AROS now offers gene expression using Affymetrix' new Human Genome U219 Array Plate (U219) with 3' IVT labeling or amplification with NuGEN's Ovation™ PICO SL followed by labeling with the Encore™ Biotin Module.

The U219 Array Plate enables high-throughput expression profiling of 96 samples at a time using probe sets with an emphasis on established, well-annotated content selected from the UniGene database build 219.

With a complete coverage of the annotated genome (36,000 transcripts and variants per sample (530,000 probes)) and with 11 probes per set for well-annotated sequences, 9 probes per set for the remainder, it provides high accuracy and confidence.

U219 would be suitable for most human genome expression projects. Also, the U219 is suited for e.g. expression Quantitative Trait Locus (eQTL) analysis to identify the regulatory impact of SNPs on the expression of distant genes. This is important as up to 50% of SNPs identified as associated with diseases are in regions of the genome that do not contain known genes. The QTL's for gene regulation are strong, and as little as 100 patients may be sufficient to achieve significant association results (Nature 2003, March, 20; 422 (6929): 297-302.)

With NuGEN's Ovation PICO SL WTA System you can amplify cDNA from a range of 500 picograms to 50 nanograms of total RNA. The cDNA is thereafter fragmented and labeled using the Encore Biotin Module.

In July and August, AROS offers human genome expression analysis on U219 at **€ 299** per sample with Affymetrix 3'IVT labeling and only **€ 289** per sample with labeling using NuGEN's Ovation™ PICOSL.

If your sample amount is less than 96, we can offer to do it at the same prices, if you have a little patience to allow us to gather a full plate.

To take advantage of the offer, you just have to order at least 96 samples or multiples hereof and place your order no later than 31st August 2010.