



AROS Tip of the Month - June 2010

Dear All,

For PCR-based genotyping and gene expression analysis with larger sample sets, AROS has added Fluidigm's Biomark platform to the portfolio of technologies available.

The Fluidigm instrument is a genuinely high-throughput platform based on Integrated Fluidic Circuits (IFCs) with thousands of interconnected "wells" fabricated within miniature devices embedded into reaction plates; currently these reaction plates are offered for either 48 samples versus 48 assays or 96 samples versus 96 assays.

The advantages of the Fluidigm platform include:

- Significantly reduced turn-around times, especially with larger sample sets.
- Low reagent consumption: as low as 0.03 µl of PCR mastermix per sample.
- Low sample material requirement: as low as 1 ng per sample.
- It uses the gold standard TaqMan chemistry (AROS has conducted a validation study comparing the Fluidigm system to "standard" TaqMan based PCR, showing high reproducibility and reliability).
- With larger sample numbers, pricing can be as low as € 0.2 per SNP/gene all inclusive.
- For gene expression analysis, it is often possible to perform triplicate analyses at only a minimal extra cost.
- Enables gene expression detection in single cells.

Our Fluidigm platform is part of our Good Laboratory Practice setup.

For all Fluidigm orders placed before the end of June, AROS grants a 5% discount.

Best regards,

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