

# “DESIGNING AN ALTERNATIVE RAPID EXTRACTION FOR EQUINE URINE SAMPLES”

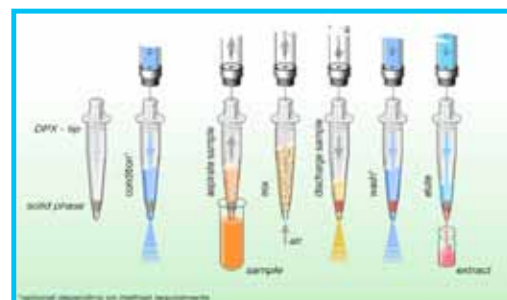
23 & 24 May 2011

## NO REGISTRATION REQUIRED TO ATTEND THIS WORKSHOP

### Disposable Pipette Extraction (DPX®) combined with a GERSTEL MPS® sample preparation robot and autosampler

GERSTEL and the Singapore Turf Club are offering all participants at AORC2011 an opportunity to put their analytical skills to the test and develop an Alternative Rapid Extraction Method for the extraction of Prohibited Substances from equine samples. Once you have created your method (GERSTEL staff will be there to assist you if need it) we will use it to process a spiked sample using an MPS® combined with GC/MS. The best analyst (or, if you prefer, you can work as a team) will win a prize for devising the extraction with the optimal recovery of two analytes from a urine sample. Please join us and try out this novel technique, what have you got to lose - it won't even cost you a cent!

The analysis of equine blood or urine for the presence of Prohibited Substances typically requires sample preparation prior to analysis. Solid Phase Extraction (SPE) methods are commonly used, but this often consumes relatively large volumes of solvents. Disposable Pipette Extraction (DPX®) is an efficient and rapid technique that is an excellent alternative to using conventional SPE. The patented DPX® tips comprise loosely packed solid phase sorbent inside a pipette tip. Methods using DPX® are also easy to automate using sampler handling robotics, such as the GERSTEL MPS® 2.



The GERSTEL MPS® is a multifunctional autosampler and sample preparation robot for GC/MS. The MPS® provides modern analytical laboratories with high throughput, high performance and unparalleled flexibility.

Just one method and one sequence table controls the entire system and sample preparation is performed during the GC/MS analysis of the preceding sample - ensuring highest possible throughput and system utilization.

