

NetBio

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NetBio met with the SWGDAM Rapid DNA Committee and provided a presentation on the company's DNAscan/ANDE instrument. The presentation began with an overview of instrument operation for reference sample buccal swabs. A multilab developmental validation study covering concordance, sensitivity, controls, blanks and success rates was described.

The focus of the presentation was a description of the Expert System including internal lane standard (ILS) acceptance, allelic ladder selection and application, allele calling rules and mixture, homozygote and heterozygote locus determination. Unlabeled and flagged peaks were also discussed. The presentation ended with an overview of future development plans.

A question and answer session followed that further addressed labelling of peaks, peak morphology, filters and filters.

Below is an edited summary of the questions and answers.

R-DNA Committee (RC): Any issues with requirements from NDIS, SWGDAM, QAS, approval?

NB/GE: No complaints. SWGDAM has been very clear.

RC: What is the status of your Expert System?

NB/GE: It is in the validation process.

RC: Can data be exported from the expert system for additional review or testing?

NB/GE: Exports are not a current feature but .fsa files can be exported from DNAscan for analysis and review with an alternate typing software.

RC: How are blanks used?

NB/GE: System will show a blank electropherogram. The blank will not be included in a CMF.

RC: How are ladders used?

NB/GE: The run ladder will be used if suitable otherwise the system will use an on board ladder.

RC: Are Expert System settings configurable?

NB/GE: There are security levels and the highest security level may modify some settings.

RC: What challenges exist for booking station applications?

NB/GE: Logistics. Data export from instrument. The instrument already incorporates bar code and RFID technology.

RC: Are you implementing the expanded core loci?

NB/GE: Yes, Fusion 6C will be implemented and incorporated in the expert system.