Canadian Society of Forensic Science Drugs and Driving Committee (DDC)
Drug Screening Equipment – Oral Fluid Standards and Evaluation Procedures
Appendix C Revision: 002, Effective: March 15, 2025

Appendix C: Drug Screening Equipment Evaluation Follow-Up

The DDC reserves the right to, upon review of the evaluation data and reports from the testing laboratory, permit the manufacturer to revise specific components of their drug screening equipment and to re-submit for evaluation. In such instances, the DDC will determine the extent of re-evaluation required and indicate that to the manufacturer.

The DDC also reserves the right to, upon review of the evaluation data and reports from the testing laboratory, consider recommending the drug screening equipment for approval using a subset of the originally submitted target compounds (e.g., successful for THC analysis, but not for cocaine or methamphetamine). In such instances, the manufacturer will be required to remove the testing capabilities for those target compounds which were not successful, and to re-submit for evaluation of their revised drug screening equipment. In such instances, the DDC will determine the extent of re-evaluation required.

On successful completion of the evaluation, as determined by the DDC, the Chair of the DDC (or designate) shall forward the specific drug screening equipment name to the Attorney General of Canada with a recommendation that the equipment be approved for use. For the purposes of this recommendation, unless specifically advised by the DDC, the manufacturers shall:

1. Not change the drug screening equipment in any way;
2. Not advertise the drug screening equipment as having been evaluated by the DDC for any other use;
3. Ensure that the name (as specified in the recommendation) and serial number of each drug screening equipment unit is clearly identified by an indelible marking;
4. Ensure that the serial number is unique to each unit;
5. Label any software or firmware with a version number;
6. Ensure that any update to the operating instructions is approved by the DDC before being distributed. Once approved, updates shall be sent by the manufacturer to all services that have purchased the drug screening equipment;
7. Ensure that manufacturer-authorized repair/calibration/service facilities are available. Manufacturers shall provide current lists of these facilities;

8. Ensure that repair/calibration/service facility staff are properly trained and provide detailed records of any such services performed on drug screening equipment;
9. Ensure that each new unit is provided with a certificate of calibration from a manufacturer authorized calibration facility;
10. Ensure that QC cartridges which are currently within their expiration dates are available to services;
11. Ensure that any authorized manufacturing and/or repair/calibration/service facilities shall be suitably accredited or certified and open to inspection by the DDC (or designate);
12. Ensure that all versions of recommended drug screening equipment software and/or firmware are available upon request by the DDC;
13. Be available to answer questions from the DDC as to technical aspects of their drug screening equipment, including software source code and circuit diagrams;
14. If required, make provision for expert witnesses for court cases with respect to the theory, operation and performance of the drug screening equipment;
15. If required, assist with police and government forensic laboratory training with respect to theory, operation and performance of the drug screening equipment; and
16. Must contact the DDC to alert them of any quality assurance issues that arise with any Drug Screening Equipment. The DDC reserves the right to request and examine oral fluid collection systems and/or quality assurance data to determine their continued appropriateness for use.

Failure to adhere to the above-noted criteria may result in the DDC recommending the drug screening equipment be de-listed. The DDC shall undertake to keep all proprietary information provided by manufacturers confidential. The DDC reserves the right to periodically update recommended drug screening equipment standards and associated evaluation procedures. Additional specific drugs of interest may be added to these standards by the DDC without affecting the approval status of existing drug screening equipment.