

EXHIBIT A

GUIDELINES FOR THE ANALYZER

Testing capabilities for the following drugs and/or their metabolites:

THC	Opiate	Amphetamines
Cocaine	Benzodiazepines	Methamphetamines
Phencyclidine	Barbiturates	Methadone
LSD	Methaqualone	Alcohol
Propoxyphene		
MDMA		

Testing of the following to determine adulteration and/or dilution:

Creatinine
Specific Gravity
PH
Oxidants

The current estimate should be based on annual number of single test performed being 114,000.

Contractor shall address specific capabilities and pricing for handling increased test volumes above this amount to include price breaks.

The Drug testing software and any supporting software must be able to print individual reports, email and/or fax them directly from the computer system.

The drug testing system must use methods and output results that conform to federal and state guideline and/or laws or industry practices as well as HIPPA should that become an issue in El Dorado County business practices.

The drug testing system must be restored to normal operations, via repair or exchange after the initial call for service is placed. Dade Behring will offer a 98% uptime performance guarantee for the V-Twin™, Viva-E™, and Viva-Jr™. This guarantee is strictly limited to electrical and mechanical hardware failure, which requires a Dade Behring Field Service Representative to perform on-site repairs or to adjust the unit to functional specifications. This agreement excludes operator replaceable maintenance parts and supplies as well as reagents and consumables.

Downtime is defined as the time period when the equipment as a system produces no patient test results due to breakdown, performance of repairs, or failure to perform to specifications. The period of hard downtime is measured from initial notification to TAC, until the equipment is returned to the designated Lab representative properly functioning and ready for use. Routine preventive maintenance, scheduled hardware or software upgrade and environmental failures (i.e. air conditioning or power loss) shall not

be considered downtime. Occurrences caused by accidents or disasters, which shall include, but not be limited to, fire, flood water, wind, lightning, earthquake, and termination of or surge in electric current, or the use of supplies, disposables, consumables or reagents other than those expressly recommended by the Equipment manufacturer shall not be considered downtime.

Uptime will be calculated for each annual period by dividing the sum of available hours less downtime hours by the total number of hours available. Available hours are based on 24 hours per day and 7 days per week. If Business Hours service contract coverage (8 am to 5 pm, Monday – Friday) is selected, the available hours will be based on 9 hours per day, 5 days per week. Downtime, as defined above, will likewise be adjusted for this time period. For any requested on site service or part delivery outside the service contract period, the customer must agree to provide a purchase order. The percent of instrument uptime will be calculated only upon dispute.

The uptime guarantee shall only apply in the event that the customer maintains an ongoing Dade Behring 24/7 or Business Hours Service Maintenance Contract for their instrument after the initial service agreement. All Standard Terms and Conditions as stated in the Service Agreement shall apply, including exclusions for the delivery of field service. The uptime guarantee will remain in effect for the term of the Agreement.

The proposal must include installation of the equipment, and shipping of said equipment.

Contractor will provide off site training in Delaware for one operator from El Dorado County's Public Health Laboratory at no cost to the El Dorado County Health Department (includes airfare, meals, lodging, and ground transportation in Delaware).

Contractor will also provide training for 2 additional El Dorado County Public Health Employees within 45 days of the installation of the analyzer on-site. Training to include proper operation of laboratory equipment and software provided for data management.

Acceptance occurs upon delivery of equipment. However, if El Dorado County Public Health identifies an issue specifically related to the installation of the equipment within 45 days of delivery, Vendor agrees to cure the issue. If Vendor does not cure the issue to El Dorado County Public Health's satisfaction, Vendor will nullify acceptance of the instrument and agree to a mutually acceptable resolution with the El Dorado County Public Health.

At a minimum the analyzer system must be capable of the following or have the following features:

V-Twin Reagent system

- **Two rotors each with 24 positions for 25 ml bottles and 8 positions for 5 ml bottles.**
- **All positions can be assigned as R1 and R2.**
- **Adapters for 5 ml bottles in 25 ml positions.**
- **10 pairs of 25 ml positions can be used for 50 ml bottles.**
- **Reagent 1 volume 110 - 400 µl**

- Reagent 2 volume 0 - 180 μ l
- Reagent disk compartment is cooled to approx. 12°C below ambient temperature.
- Preheated reagent needle with level detection and integrated mixer.
- Typical reagent consumption 250 μ l per test.
- **Sample system**
- Sample rotor containing
80 barcode read samples positions
Inner ring for 20 calibrators and 10 controls
- stat and pediatric samples
- Continuous loading.
- Internal barcode reading
- Primary tubes (13 or 16 mm OD)
- All positions can contain 5 ml or 10 ml primary tubes or sample cups.
- Sample volume 1 - 30 μ l per test, programmable in steps of 0.1 μ l.
- Sample probe with level detection and integrated mixer.

Sample predilution

- (Dual mode only)
Programmable ratios 1:5, 1:10, 1:20, 1:30, 1:40, 1:50 with 3 possible diluents.

Pipetting system

- Hamilton syringes and valve block.
- Reagent syringe 1000 μ l.
- Sample syringe 100 μ l.

Reaction disk

- Semi-disposable rotor with 48 cuvettes. Path length 7 mm.
- Minimum measuring volume 220 μ l.
- Measuring temperature 37°C, controlled by Peltier elements.

Washing unit

- Cuvette-washing with 4 x 500 μ l of water. The unit is equipped with liquid sensors. Waste is separated into diluted and concentrated (sample/reagent mixture) waste. Cuvettes are dried before use.

Light source

- Quartz-iodine lamp 12V-20W.

Optics & Wavelength range

- 2 optical units each with n 8 position filter wheel
- Automatic wavelength selection by 8-position filter wheel (340, 376, 405, 436, 505, 546, 578 and 620 nm).
- Other wavelengths available on request
- Half bandwidth 8 to 12 nm

Photometric range

- -0.1 to 3.0 Absorbance

Analytical modes

- Kinetic measurement with linearity check.
- Bichromatic end point measurement with or without bichromatic reagent blank and/or sample blank correction.
- Two point measurement.
- Graphic plot of all measuring points.
- Automatic rerun with sample reduction.
- Non-linear calibration curves

Ambient temperature

- 15 - 32°C.
- Maximum humidity 80%.

Measurement capabilities

(Single reagent mode)

- Reagent Absorbance before sample addition.
- Kinetic during 7 minutes after sample addition.
- End Point (Bichromatic) 11.5 minutes after sample addition.
- Kinetic can contain two points for two-point measurements

(Dual reagent mode)

- Reagent Absorbance (bichromatic) before sample addition.
- Kinetic 1 for 4.5 minutes after sample addition (can be used as sample blank for Kinetic 2).
- Kinetic 2 for 4 minutes after reagent 2 addition.
- Kinetic 1+2 for 8.5 minutes after sample addition.
- Sample blank (bichromatic) before reagent 2
- Endpoint (bichromatic) 4.5 minutes after sample addition or 11.5 minutes after sample addition
- Kinetic 1, Kinetic 2 or Kinetic 1 + 2 can contain a minimum measuring time or two points for two-point measurements.

.Quality control

- Up to 15 different controls can be defined, 3 per test.
- Westgard rules.
- Levey-Jennings plots.

Dimensions

- Floor Standing 117 x 115 x 77 cm (W x H excl. Monitor x D)