



APPLICATION NOTE – EMPLOYMENT DRUG SCREENING

Application Need: Pre-employment and employment drug screening is practiced in many industries, and is even required by law in many instances. In most cases, this screening is performed by collecting a urine specimen from the subject, which is then analyzed for drugs of concern. Prior to analysis however, the sample must be validated to ensure that no tampering or substitution has occurred. Urine Specific Gravity (USG) is one of the measurements utilized to screen for adulterated or substituted urine specimens under this program. Laboratories may read USG out to three or four decimal places.

The Problem: It is common practice among substance abusers to attempt to mask or hide the presence of illegal drugs in their urine by tampering with the sample, using substitute urine, or even by using artificial urine.

The Solution: Refractometry is the mandated method for measuring the specific gravity of urine. Reichert is the only manufacturer registered with the FDA, whose products are listed with CLIA for testing Urine Specific Gravity. We offer numerous models that can measure Specific Gravity to either three or four significant decimal places.

Product Recommendations:

Reichert AR700USG Automatic Digital Laboratory, Reichert Cat # 13107040

Reichert TS Meter-D Digital Handheld Refractometer, Reichert Cat # 13960000

Reichert TS Meter Goldberg Analog Handheld Refractometer, Reichert Cat # 1310400A

The AR700USG: ✓ Fully automatic readings, eliminating operator error.

- ✓ Built-in, Peltier temperature control to ensure accurate sample analysis ✓ Measures USG to four significant decimal places (i.e. 0.0001 USG)

The TS Meter-D:

- ✓ Fully automatic readings, eliminating operator error.
- ✓ Measures USG to three significant decimal places (i.e. 0.001 USG)

The TS Meter:

- ✓ Temperature correction using the Reichert-exclusive liquid-filled prism ✓ Measures USG to three significant decimal places (i.e. 0.001 USG)