

Automate Specific Gravity Testing



LEAP Technologies, a leader in laboratory automation for over 21 years, is proud to present an **automated platform for specific gravity/urine testing** using a refractometer.

- Rapid sample reading
- Automated waste disposal
- Programmable cleaning and drying of reading cell
- Minimal sample volume: 250 ul
- Integration of barcodes and Specific Gravity data
- Just place your sample in the autosampler and press start

Automate Specific Gravity Testing

LEAP Technologies offers automation flexibility by integrating a LEAP HTC-xt-DLW PAL autosampler with the Rudolph J57WR-SP Refractometer. This is based on an HTC-xt PAL equipped with the DLW wash system and an air pump to dry the cell. The J57WR-SP has a LEAP supplied flow cell allowing direct injections of small volumes of sample. This direct injection approach allows for volumes as small as 250ul to be tested accurately (no transfer lines). The sample can reside in microtiter plates, deepwell plates, 2ml , 4 mL, or 10 mL vials. Samples can be capped or sealed. The flow cell is flushed using the DLW 2x Solvent pumps system directly through the syringe and cleans the syringe and flow cell. The final blowout and drying of the cell is made using a small air pump. LEAP offers many storage options for plates and vials including cooling and heating. Customers' unique sample bottles may be used to eliminate the need to transfer samples into specially sized test tubes.

Barcode ID's can be integrated with specific gravity readings and output directly into the laboratory data system.