

Verichem clinical reference materials for microprotein, CO₂ testing

September 2022—Liquid-stable and ready-to-use clinical reference materials for microprotein testing are available from Verichem Laboratories. The products are intended for the calibration and calibration verification of clinical systems testing for total protein and albumin in urine and cerebrospinal fluid samples and incorporate human protein components for optimum reactivity.

The five-level set of materials provides 10 certified component concentrations, with each of the gravimetric concentration levels using a distinct set-point design with equidistant target concentrations to address CLIA requirements for clinical system accuracy, sensitivity, linearity, and reportable range. The kit is packaged with 15 mL of material at each level, has a shelf life of 24 months from the manufacturing date when stored refrigerated at 2°–8°C, and is for use with turbidimetric and colorimetric test methods.

The company also announced the availability of liquid-stable, ready-to-use clinical reference materials for carbon dioxide testing. The five-level standard kit, along with an optional level F, is intended for calibration and/or calibration verification on clinical testing systems and is for use with ion-selective electrode and enzymatic/colorimetric testing methods.

The materials offer concentration levels ranging from 5 mmol/L to 50 mmol/L and are designed to support overall system QC and meet the CLIA requirements for verification materials with known values in the determination of a clinical system's accuracy, sensitivity, linearity, and reportable range. The kit is packaged with 15 mL of material at each concentration level. Open-vial stability is 15 months.



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