Verichem calibration verification kits, standards

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August 2020—Verichem Laboratories announced the availability of its Enzyme ER Verifier Kit designed for the calibration verification of wet chemistry testing systems. The multianalyte, six-level kit of liquid stable materials is composed of nine clinical enzyme components—amylase, alanine aminotransferase, alkaline phosphatase, aspartate aminotransferase, cholinesterase, creatinine kinase, gamma-glutamyl transferase, lactate dehydrogenase, and lipase—covering 54 activities. The kits' formulation is designed to include at least one set point for each enzyme in the normal range. The material's protein balance, pH, and ion content are constant across concentration levels. Kits contain 5 mL of material for each of the six levels. Shelf life is 14 months from the date of manufacture.

The company's line of liquid stable, protein-based bilirubin reference materials is now available. The Bilirubin Standard Kit and optional Bilirubin Standard, Level F, are designed and intended for CLIA calibration verification of total and direct bilirubin assays with wet chemistry clinical testing systems. The kit contains 5 mL of material for each of the five concentration levels while the Level F contains two 5-mL vials with a 30 mg/dL concentration level. The product has an open-vial stability of five days and a shelf life of 14 months when stored at 2°–8°C.

Verichem also offers Matrix Plus Chemistry Reference kits intended for the calibration verification of wet chemistry assays on clinical testing systems. In conjunction with the optional sixth Level F, the reference materials contain seven chemistry components—blood urea nitrogen, calcium, creatinine, glucose, magnesium, phosphorus, and triglyceride—covering 42 concentrations. The materials are suitable for a variety of testing methods, including visible spectrum, ultraviolet, kinetic, and endpoint. The kit is packaged in a ready-to-use, liquid stable format, incorporating a buffered protein-based matrix for serum-like reactivity. Each active component is verified using standard reference materials from the National Institute of Standards and Technology. Open-vial stability is 21 months.

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