



PRODUCT LIST NUMBER: 9670

PRODUCT NAME: ETHANOL STANDARD KIT

INTENDED USE: The Verichem Ethanol Standard Kit is a protein based, in vitro diagnostic product. It is intended for calibration or calibration verification of serum ethanol test systems. This product also contains lactate, salicylate and acetaminophen in a known linear relation.

KIT SIZE: Six concentration levels, five milliliters each level.

PRICE: \$236.00

SHELF LIFE: 18 months

DESCRIPTION

The Ethanol Standard Kit is the newest addition to Verichem’s menu. This accurate, liquid reference material spans the entire clinical range for most serum ethanol test systems. The protein based standards may be treated as patient specimens with any wet chemistry methods.

Verichem’s Ethanol Standard kit is unique in design, incorporating the serum-like reactivity of a bovine protein base with the volumetric accuracy of an aqueous matrix. The matrix is bio-synthetic, containing no serum for maximum stability and lot-to-lot duplication. The exclusion of whole serum in this formulation allows Verichem to manufacture its Ethanol Standards as a standard reference material with known values. Concentrations are assigned by volumetric procedure and indicate weight per volume composition using absolute ethanol source material of known purity. This ready-to-use product is also free of surfactants, glycols, azide and other interfering substances.

Verichem’s important design creates critical serum ethanol set points at or near decision cut-off concentrations of 0.01, 0.08 and 0.10 percent. The combination of unique matrix formulation and set point design are the key classic features for the absolute determination of clinical test system accuracy, sensitivity, linearity and reportable range. This set is the perfect complement to Verichem’s impressive menu of known concentrations having no relation to consensus or assay. Each of the six absolute concentrations is verified using popular clinical methods and available Standard Reference Materials from the National Institute of Standards and Technology (NIST). A lot-specific Certificate of Analysis is included in each kit.

In addition to the ethanol component, Verichem’s Ethanol Standard Kit contains known linear relation for lactate, salicylate and acetaminophen. Linear dilution factors were obtained by volumetric dilution of two stock standards. The resultant dilutions possess constant pH and protein content for maximum linearity performance. The dilution ratios, reflecting the relative levels of the three additional components, are stated in the product insert and may be used to determine sensitivity, linearity and reportable range for these assays.

The Ethanol Standard Kit contains one six-level set with five milliliters each level, product insert, Certificate of Analysis and organizer tray. The fluids are packaged in translucent polyethylene dropper vials. Shelf life is 18 months from the date of manufacture at refrigerated temperatures (2° to 8°C)

ANALYTE	UNITS	LEVEL A	LEVEL B	LEVEL C	LEVEL D	LEVEL E	LEVEL F
ETHANOL	mg/dL	12.0	77.3	96.0	311.9	482.4	600.0
LACTATE	mg/dL	3.2	20.6	25.6	83.2	128.6	160.0
ACETAMINOPHEN	mg/L	6.0	38.7	48.0	156.0	241.2	300.0
SALICYLATE	mg/dL	2.0	12.9	16.0	52.0	80.4	100.0

ORDERING INFORMATION:

Fax to (401) 467-1540 or email your order to: customerservice@verichemlabs.com

This innovative product complements Verichem’s complete line of fluids and software for calibration verification.