



Teco Diagnostics

Intended Use

For the quantitative determination of the total lipid index in serum using the sulfo-phospho-vanillin colorimetric method.

Principle

Lipids react with sulfuric acid to form carbonium ions, which subsequently react with the vanillin phosphate ester to yield a purple complex that is measured photometrically.

Test:

Total Lipid Reagent Set(Colorimetric Method) (T526 – 480)

Number of Tests:

480 tests
4 x 120 mL

Format:

Liquid

Method:

Colorimetric

Testing Procedure:

Manual

Storage Temperature:

15 – 30°C

Wavelength:

530 nm

Expected Values:

400 – 800 mg/dL

Linearity:

1300 mg/dL

Reagent Deterioration:

Physical appearance: Slight brown color appearing in the color reagent, appearance of turbidity or crystals that will not readily dissolve are signs of reagent deterioration; (2) Control assays: Failure to obtain accurate results in the assay of control materials may indicate reagent deterioration.

Limitations of Procedure:

Heptane, ethyl benzene, tetrahydrofuran, detergents and soaps are known to interfere with the sulfo-phospho-vanillin method. Alcohols with a carbon chain greater than C₂ will interfere. The reaction is specific only for unsaturated compounds. Saturated fatty acids do not react.

CONTACT US:

TECO DIAGNOSTICS

1268 N. Lakeview Avenue

Anaheim, CA 92807

Tel: 714-463-1111

Fax: 714-463-1169