



Teco Diagnostics

Intended Use

For the quantitative determination of alanine aminotransferase in serum used in routine examination and monitoring of therapy and relapses.

Principle

L-Alanine and 2-oxoglutarate react with ALT to produce Pyruvate and L-Glutamate. The pyruvate is reduced to lactate in the presence of lactate dehydrogenase (LDH) and NADH. The activity of ALT is determined by measuring the rate of oxidation of NADH at 340 nm.

Test:

ALT (SGPT) Liquid Reagent (A524-150)

Number of Tests:

150 tests

Format:

Liquid

Method:

Kinetic

Testing Procedure:

Manual

Storage Temperature:

2-8°C

Wavelength:

340 nm

Linearity:

500 U/L at 37°C

Expected Values:

Normal Range: 3-35 U/L at 37°C

It is strongly suggested that each laboratory establish its own range of expected values.

Reagent Deterioration:

Discard if either reagent appears to be cloudy or contains particulate matter.

The working reagent is stable for 2 weeks at 2-8°C. The working reagent should be discarded if the initial absorbance, read against distilled water at 340nm, is below 1.000.

Limitations of Procedure:

Hemolysis must be avoided as the concentration of ALT in red cells is roughly 5 times that of serum. Bilirubin levels up to 40mg/dL and triglyceride levels up to 2000mg/dL show no interference in this test.

CONTACT US:**TECO DIAGNOSTICS**

1268 N. Lakeview Avenue

Anaheim, CA 92807

Tel: 714-463-1111

Fax: 714-463-1169