



Teco Diagnostics

Intended Use

Albumin reagent is used for the quantitative determination of albumin concentration in human serum.

Principle

Serum albumin binds selectively to the dye bromocresol green at pH 4.2. The increase in absorbance of the resulting albumin-dye complex, read at 630 nm, is proportional to the albumin concentration.

Test:

Albumin Reagent Set (A502-480)

Number of tests:

480 tests

Format:

Liquid

Method:

Endpoint BCG

Testing Procedure:

Manual & Automated

Storage Temperature:

Reagent is stored at room temperature (15-30°C)

Albumin standard is stored refrigerated (2-8°C)

Wavelength:

630 nm

Linearity:

0.5 – 8.0 g/dL

Expected Values:

3.5 – 5.3 g/dL

Reagent Deterioration:

The reagent should be a clear, yellow-green solution. If turbidity or precipitation has occurred, the reagent should be discarded.

Limitations of Procedure:

Ampicillin and other medications seriously interfere with the dye-binding properties of albumin.

The dye-binding properties of albumin, other than human, differ among species.

Sample with values above 8.0 g/dL should be diluted with 0.9% saline 1:1, re-run, and results multiplied by 2. Samples with results below 0.5 g/dL should be done electrophoretically.

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