



# Teco Diagnostics

## Intended Use

Albumin reagent is used for the quantitative determination of albumin concentration in human serum on TC Matrix analyzers.

## 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 (A502-510TM)

**Number of tests:**

510 tests

**Format:**

Liquid

**Method:**

Endpoint BCG

**Testing Procedure:**

Automated

**Storage Temperature:**

15-30°C

**Wavelength:**

630 nm

**Linearity:**

1.0 – 7.0 g/dL

**Expected Values:**

3.5 – 5.0 g/dL or 35-50 g/L

**Limitations of Procedure:**

The anticoagulants potassium oxalate, sodium fluoride, and sodium citrate were found to be incompatible with this method.

The anticoagulants EDTA, lithium heparin, sodium heparin, ammonium heparin were found to be compatible with this method.

Hemoglobin may interfere with this methodology.

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