



# Teco Diagnostics

## Intended Use

For the colorimetric determination of potassium in human serum and plasma on TC Matrix analyzers.

## Principle

The amount of potassium is determined by using sodium tetraphenylboron in a specifically prepared mixture to produce a colloidal suspension, the turbidity of which is proportional to the potassium concentration in the sample.

### Test:

Potassium Reagent (Colorimetric Method) for TC Matrix(P605 – 510TM)

### Number of Tests:

510 tests

### Format:

Liquid

### Method:

Colorimetric, Endpoint

### Testing Procedure:

Automated

### Storage Temperature:

15 – 30°C

### Wavelength:

510 nm

### Expected Values:

3.4 – 5.3 mEq/L

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

### Linearity:

2 – 7 mEq/L

### Reagent Deterioration :

Do not use if: (1) The reagent is very cloudy; (2) The reagent fails to achieve assigned value on fresh control serum.

### Limitations of Procedure:

Turbid or icteric samples produce falsely elevated results.

Bilirubin above 40 mg/dL and Urea Nitrogen above 80 mg/dL will produce elevated results.

Hemolyzed sera produce elevated results.

Sera containing high levels of ammonia should be avoided.

## CONTACT US:

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