



Teco Diagnostics

Intended Use

For the colorimetric determination of potassium in human serum and plasma.

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 potassium concentration.

Test:

Potassium Reagent (Colorimetric Method)(P605 – 50)

Number of Tests:

50 tests

Format:

Liquid

Method:

Colorimetric

Testing Procedure:

Manual

Storage Temperature:

15-30° C

Wavelength:

500 nm

Expected Values:

3.4 – 5.3 mEq/L

It is strongly recommended that each laboratory establish its own normal range.

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:

TECO DIAGNOSTICS

1268 N. Lakeview Avenue

Anaheim, CA 92807

Tel: 714-463-1111

Fax: 714-463-1169