



Teco Diagnostics

Intended Use

Inorganic phosphorus reagent is used for the quantitative determination of inorganic phosphorus in human serum

Principle

Inorganic phosphorus reacts with ammonium molybdate in an acid medium to form a phosphomolybdate complex. This complex is reduced by ferrous ammonium sulfate to produce a molybdenum blue complex. The color produced is measured at 675 nm and its intensity is directly proportional to the concentration of inorganic phosphorus present.

Test:

Inorganic Phosphorus Reagent (Color Method) (I515 – 480)

Number of Tests:

480 tests
4 x 120 mL

Format:

Liquid

Method:

Colorimetric

Testing Procedure:

Manual

Storage Temperature:

2 – 8°C

Wavelength:

675nm

Expected Values:

Adults: 2.5 – 4.8 mg/dL
Children: 4.0 – 7.0 mg/dL

Linearity:

14 mg/dL

Reagent Deterioration:

The reagent should be clear to blue. Any precipitate or change of color to green would indicate contamination and the reagent should not be used.

Limitations of Procedure:

Detergents containing phosphate should not be used for cleaning glassware used in this procedure

CONTACT US:

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