



# Teco Diagnostics

## Intended Use

Inorganic phosphorus (UV method) reagent is 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, which absorbs light at 340 nm. The absorbance at this wavelength is directly proportional to the amount of inorganic phosphorus present in the sample.

### Test:

Inorganic Phosphorus (UV –method)(I516 – 480)

### Number of Tests:

480 tests  
4 x 120 mL

### Format:

Liquid

### Method:

Colorimetric

### Testing Procedure:

Manual

### Storage Temperature:

2 – 8°C

### Expected Values:

2.5 – 4.8 mg/dL

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

### Linearity:

12 mg/dL

### Reagent Deterioration:

Do not use if: (1) Reagent without serum added has an absorbance greater than 0.500 at 340 nm; (2) The reagent fails to recover stated control values.

### Limitations of Procedure:

Most commonly employed detergent and disposable wipes used in the laboratory contain phosphates, and the use of improperly rinsed glassware may result in elevated inorganic phosphorus values.

## CONTACT US:

### TECO DIAGNOSTICS

1268 N. Lakeview Avenue  
Anaheim, CA 92807  
Tel: 714-463-1111  
Fax: 714-463-1169