



# Teco Diagnostics

## Intended Use

For the qualitative or semi-quantitative determination of various analytes in human urine.

## Principle

The presence of specific compounds in urine is used to determine the approximate values of the various analytes. Reactions between chemicals on the pads and said compounds in urine, combined with certain color indicators, produce colors that correlate with the presence and concentration of the relevant analyte.

See package inserts for detailed principles for each analyte.

## CONTACT US:

### TECO DIAGNOSTICS

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### Test:

Urine Reagent Strip-2P (URS-2P)  
Glucose/ Protein

### Format:

Strip

### Method:

Color Indicator

### Testing Procedure:

Manual

### Storage Temperature:

15-30°C

### Expected Values/Sensitivity:

Glucose: Concentrations as little 0.1g/dL may be significantly abnormal if found consistently (100mg/dL sensitivity)

Protein: 1-14mg/dL may be excreted by the normal kidney (15mg/dL sensitivity)

### Limitations of Procedure:

Glucose: Moderate amounts of ketone bodies (40mg/dL or greater) may decrease color development in urine containing small amounts of glucose (75-125mg/dL). However, such concentration of ketone simultaneously with such glucose concentration is metabolically improbable in screening. The reactivity of the glucose test decreases as the specific gravity and/or ascorbic acid of the urine increases. Reactivity may also vary with temperature.

Protein: False positive results may be obtained with highly alkaline urine. Contamination of the urine specimen with quarternary ammonium compounds may also produce false positive results.

### Expected Shelf Life:

90 days at 15-30°C once opened

18 months at 15-30°C unopened