



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-2K (URS-2K)
Glucose/ Ketone

Format:

Strip

Method:

Color Indicator

Testing Procedure:

Manual

Storage Temperature:

15-30°C

Expected Values/Sensitivity:

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

Ketone: No ketones in normal urine (5-10mg/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.

Ketone: Color reaction that could be interpreted as "positive" may be obtained with urine specimens containing MESNA or large amounts of phenylketones or L-dopa metabolites.

Expected Shelf Life:

90 days at 15-30°C once opened

18 months at 15-30°C unopened