



# 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-2L (URS-2L)

Leukocytes/Nitrite

### Format:

Strip

### Method:

Color Indicator

### Testing Procedure:

Manual

### Storage Temperature:

15-30°C

### Expected Values/Sensitivity:

Nitrite: No nitrite in normal urine (0.075mg/dL sensitivity)

Leukocytes: Normal urine specimens generally yield negative results (10-15 WBC/ $\mu$ L sensitivity)

### Limitation of Procedure:

Nitrite: The pink color is not quantitative in relation to the number of bacteria present. Any degree of pink coloration should be interpreted as a positive nitrite test suggestive of  $10^5$  or more organisms/mL. There are occasional urinary tract infections from organisms which do not contain reductase to convert nitrate into nitrite.

Leukocytes: Highly colored urine and the presence of the drugs cephalexin (Keflex®) and gentamicin have been found to interfere with this test. High urinary protein of 500mg/dL or above diminishes the intensity of the reaction color. Elevated glucose concentration or high specific gravity may cause decreased results.

### Expected Shelf Life:

90 days at 15-30°C once opened

18 months at 15-30°C unopened