BIOBOON BIOTECH LLC

Innovative Diagnostics for a Healthier Tomorrow

Reliable Urinalysis Solutions for Better Health Monitoring

Simple Fast Accurate

Urine Strips - 2 Para (Glucose and Protein)

For the Semi-quantitative detection of Glucose, and Protein in urine.



Quick Results
Within 30–60 Seconds

Easy to Use
No Additional Equipment Required

Accurate and Reliable
Semi-quantitative Results

2 Important Parameters
Glucose
Protein

TEST PRINCIPLE

Glucose
The test is based on a double sequential enzyme reaction. Glucose oxidase catalyzes the formation of gluconic acid and hydrogen peroxide with O-Toludine chromogen to oxidize the chromogen to color ranging from blue to dark brown.

Protein
The test is based on the protein error-of-indicators principle. At a constant pH, the development of any green color is due to the presence of protein. Colors range from green to green-blue for "Positive reaction".

INTENDED USE

2 Para Urine Test Strips contains solid phase reagent areas affixed to a plastic stick. They are provided as a dry reagent. 2 Para Urine Test Strips provide test for the semi-quantitative determinations of Glucose, and Protein. The test results may provide information regarding the status of carbohydrate metabolism, kidney function, liver function and urinary tract infection.

MATERIALS PROVIDED

1. 2 Para urine test strips
2. Color label chart
3. Instructions for use

INTERPRETATION OF RESULTS

Glucose (GLU)				
Negative	Trace	+	++	+++

Protein (PRO)				
Negative	Trace	+	++	+++

REAGENT COMPOSITION

Glucose
10.54% w/w glucose oxidase (aspergilius, 250 IU), 0.2% w/w Peroxidase (horseradish, 2,500 IU), 0.07% w/w, O-Toludine and 84.3% non-reactive ingredients.

Protein
1.5% w/w tetrabromophenol blue and 98.5% w/w non-reactive ingredients.

DIRECTIONS FOR USE

1. Collect urine in a clean container.
2. Dip the strip completely in urine and remove immediately.
3. Remove excess urine by running the edge of the strip on the rim of the container.
4. **30 – 60 Seconds** — Wait for 30 – 60 seconds.
5. Compare with the color chart on the bottle label.

PERFORMANCE & LIMITATIONS

Glucose: Large amounts of ketone bodies (50 mg/dl or greater) may decrease color development.
Protein: False positive results may be obtained with alkaline urine.

Expected Values:
Glucose: The kidney normally excretes small amounts of glucose.
Protein: Normally urine specimens contain some protein (0.4 mg/dl).

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Global Diagnostic Solutions for a Brighter, Healthier World

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