**URINE REAGENT STRIPS FOR URINALYSIS**

**Leucocytes, Nitrates, Urobilinogen, Protein, pH, Blood, Specific Gravity, Ketone, Blood, Glucose, Leukocytes, and Urobilinogen**

**For Professional Use Only - Use**

**SUMMARY**

This test is for the qualitative and semi-quantitative detection of one or more of the following analytes: Leucocytes, Nitrates, Urobilinogen, Protein, pH, Blood, Specific Gravity, Ketone, Blood, Glucose, Leukocytes, and Urobilinogen. It is used to evaluate the concentration of the analytes in a urine sample and to determine if there are any abnormalities present.

**TEST PRECAUTIONS**

- **PHYSICAL AND CHEMICAL PROPERTIES:** The test strips are sensitive to temperature, moisture, and light. Store the canister as provided and avoid exposing the reagent strip to direct sunlight and moisture.

- **DIRECTION FOR USE:**
  1. Remove the strip from the closed canister or the sealed pouch and use it as soon as possible.
  2. Hold the strip close to the color blocks and match carefully. See illustration 3 below.
  3. The test is a colorimetric test and the presence of an analyte will be indicated by a change in color. The magnitude of the change in color is proportional to the concentration of the analyte.

- **RESULTS AND PERFORMANCE CHARACTERISTICS:** The pH test is designed to change color within a specific range of pH values. The specific gravity test is designed to change color within a specific range of specific gravity values. The ketone test is designed to change color within a specific range of ketone values. The glucose test is designed to change color within a specific range of glucose values.

- **INTERPRETATION OF RESULTS:**
  1. The pH test is designed to change color within a specific range of pH values. The specific gravity test is designed to change color within a specific range of specific gravity values. The ketone test is designed to change color within a specific range of ketone values. The glucose test is designed to change color within a specific range of glucose values.
  2. The color blocks are for reference and should be used as a guide for interpreting the results. The color blocks are not used for quantitative measurement.

- **STORAGE AND STABILITY:**
  1. The used strip should be discarded according to local regulations after testing.
  2. The test is for professional use only. Do not use beyond the expiration date.
  3. Once the canister has been opened, the remaining strips are stable for up to 3 months.

- **PRECAUTIONS:**
  1. Do not allow the strip to dry out.
  2. Do not expose the strip to direct sunlight.
  3. All strips should be considered potentially hazardous and handled in the same manner as if they were infectious.

- **DIRECTION FOR USE:**
  1. After the strip has been used, it should be disposed of immediately after testing.

- **INTERPRETATION OF RESULTS:**
  1. The pH test is designed to change color within a specific range of pH values. The specific gravity test is designed to change color within a specific range of specific gravity values. The ketone test is designed to change color within a specific range of ketone values. The glucose test is designed to change color within a specific range of glucose values.

- **STORAGE AND STABILITY:**
  1. The used strip should be discarded according to local regulations after testing.

- **PRECAUTIONS:**
  1. Do not allow the strip to dry out.
  2. Do not expose the strip to direct sunlight.
  3. All strips should be considered potentially hazardous and handled in the same manner as if they were infectious.

- **DIRECTION FOR USE:**
  1. After the strip has been used, it should be disposed of immediately after testing.

- **INTERPRETATION OF RESULTS:**
  1. The pH test is designed to change color within a specific range of pH values. The specific gravity test is designed to change color within a specific range of specific gravity values. The ketone test is designed to change color within a specific range of ketone values. The glucose test is designed to change color within a specific range of glucose values.

- **STORAGE AND STABILITY:**
  1. The used strip should be discarded according to local regulations after testing.

- **PRECAUTIONS:**
  1. Do not allow the strip to dry out.
  2. Do not expose the strip to direct sunlight.
  3. All strips should be considered potentially hazardous and handled in the same manner as if they were infectious.

- **DIRECTION FOR USE:**
  1. After the strip has been used, it should be disposed of immediately after testing.

- **INTERPRETATION OF RESULTS:**
  1. The pH test is designed to change color within a specific range of pH values. The specific gravity test is designed to change color within a specific range of specific gravity values. The ketone test is designed to change color within a specific range of ketone values. The glucose test is designed to change color within a specific range of glucose values.

- **STORAGE AND STABILITY:**
  1. The used strip should be discarded according to local regulations after testing.

- **PRECAUTIONS:**
  1. Do not allow the strip to dry out.
  2. Do not expose the strip to direct sunlight.
  3. All strips should be considered potentially hazardous and handled in the same manner as if they were infectious.

- **DIRECTION FOR USE:**
  1. After the strip has been used, it should be disposed of immediately after testing.

- **INTERPRETATION OF RESULTS:**
  1. The pH test is designed to change color within a specific range of pH values. The specific gravity test is designed to change color within a specific range of specific gravity values. The ketone test is designed to change color within a specific range of ketone values. The glucose test is designed to change color within a specific range of glucose values.

- **STORAGE AND STABILITY:**
  1. The used strip should be discarded according to local regulations after testing.

- **PRECAUTIONS:**
  1. Do not allow the strip to dry out.
  2. Do not expose the strip to direct sunlight.
  3. All strips should be considered potentially hazardous and handled in the same manner as if they were infectious.

- **DIRECTION FOR USE:**
  1. After the strip has been used, it should be disposed of immediately after testing.

- **INTERPRETATION OF RESULTS:**
  1. The pH test is designed to change color within a specific range of pH values. The specific gravity test is designed to change color within a specific range of specific gravity values. The ketone test is designed to change color within a specific range of ketone values. The glucose test is designed to change color within a specific range of glucose values.
**EXPECTED RESULTS**

**Limitations**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal urine</td>
<td>Specimen to be analyzed within 3 hours of collection.</td>
</tr>
<tr>
<td>Normal urine</td>
<td>Contamination of urine specimens with urine specimens of high pH may cause false-negatives in urine containing trace amounts of bilirubin.</td>
</tr>
<tr>
<td>Normal urine</td>
<td>The presence of bilirubin–derived bile pigments may mask the bilirubin reaction.</td>
</tr>
<tr>
<td>Normal urine</td>
<td>The urine specimen should be examined further. Blood is frequently, but not invariably, found in the urine of menstruating females.</td>
</tr>
<tr>
<td>Normal urine</td>
<td>Any green spots or green color developing on the test strip must be interpreted as a positive result.</td>
</tr>
</tbody>
</table>

**SPECIMEN COLLECTION AND PREPARATION**

**Reagents:**

<table>
<thead>
<tr>
<th>Reagent</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alum</td>
<td>A precipitate may form in the urine specimen.</td>
</tr>
<tr>
<td>Blood</td>
<td>A negative result does not at any time preclude the absence of urobilinogen. The reagent area may react with interfering substances known to react with urobilinogen.</td>
</tr>
<tr>
<td>Blood</td>
<td>The test is not reactive with acetone or □-hydroxybutyrate.</td>
</tr>
<tr>
<td>Blood</td>
<td>The test does not react with acetone or □-hydroxybutyrate.</td>
</tr>
<tr>
<td>Blood</td>
<td>The test does not react with acetone or □-hydroxybutyrate.</td>
</tr>
<tr>
<td>Blood</td>
<td>The test does not react with acetone or □-hydroxybutyrate.</td>
</tr>
</tbody>
</table>

**BIBLIOGRAPHY**

11. Fesler I, et al. A Simple test for ketones, glycosuria, and bilirubin may be used.