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Test for protein in urine ALBUSTIX® Reagent Strips

ALBUSTIX® are intended for *in vitro* diagnostic use by handled and individuals self-testing to detect the presence of protein in urine. 1-3

SUMMARY AND INTRODUCTION:

protein in urine. ALBUSTIX test results can alert you and ALBUSTIX are firm, plastic Reagent Strips to which realthcare professional sets up. Carefully follow the testing schedule your doctor or or which adjustments in your medication may be needed. our healthcare professional to changes in your condition affixed a chemically treated area, the test pad, that tests for

It is also important to read the entire ALBUSTIX insert carefully before you begin testing.

equipment is necessary for testing. and the Reagent Strip is disposable. No additional laboratory ALBUSTIX are ready to use upon removal from the bottle

SPECIMEN COLLECTION AND PREPARATION:

before testing or microbial growth could occur and cause talse ALBUSTIX results. to room temperature before testing. Do not let the urine stand at room temperature for an extended period of time possible. If testing cannot be done within an hour after voiding, refrigerate the specimen immediately. Let it return Collect urine in a clean container and test it as soon as Wash and rinse your hands with an appropriate cleanser



For Professionals: Do not centrifuge. The use of urine preservatives is not recommended.

ALBUSTIX STORAGE AND HANDLING:

 Do not use ALBUSTIX after expiration date
\(\begin{align*}
 & \text{Record the}
 opening date on the bottle label.

values.

- Store at room temperature between 15-30°C (59-86°F).
- Do not store the bottle in direct sunlight.
- IMPORTANT: moisture, light and heat is essential to
- against altered reagent reactivity. Protection against ambient guard
- The Reagent Strips must be kept in the bottle with the cap tightly closed. Do not remove desiccant from bottle. Replace cap immediately and tightly after removing Reagent Strip. Do not touch test pad on the Reagent Strip. WARNING: ALBUSTIX Reagent Strips are in vitro wo diagnostic use only. DO NOT SWALLOW. Ö

Waterials needed: DIRECTIONS FOR TESTING:

Clean, dry container

- ALBUSTIX Reagent Strips



- Step 1 Check the Expiration Date. If the date has passed, discard opening date on the label. Use of Reagent Strips beyond the expiration date may yield inaccurate results. and test with strips from a new bottle. Record the
- Remove the Reagent Strip the cap immediately and pad on the Reagent Strip. tightly. Do not touch the from the bottle. Replace
- Step 2. Dip the test end of the edge of the Reagent Strip urine sample and remove it stream of urine.) Reagent Strip through a urine (or pass the end of the container to remove excess against the rim of the urine immediately, drawing the well-mixed, uncentrifuged Reagent Strip into a fresh,



Step 3. Wait 60 bottle. Do not read the test pad after 2 minutes. Color changes that occur after this and then match the test pad to the color chart on the time are of no diagnostic removing from the urine, seconds after



Step 4. Record the results.

RESULTS:

nominal values; actual values will vary around the nominal from the Color Chart comparison. The color blocks represent Strips are obtained in clinically meaningful units directly Results with ALBUSTIX Reagent

avoid dissolving out reagents. Read the results carefully within the specified time, in a good light and with the test pad held near the Color Chart on the bottle label It is important to dip test pad in urine completely, but briefly, to

EXPECTED VALUES FOR PROTEIN PRO :

Normally, no protein is detectable in urine, although the normal kidney will excrete a small amount. Color matching any block greater than "Trace" indicates significant protein in block even though only normal concentrations of protein are present. Talk to your healthcare professional to evaluate the urine), the test pad may most closely match the "Trace" color your urine. For urine of high specific gravity (or very cloudy importance of "Trace" results

consult your physician or healthcare professional the sole basis for adjusting medication dosage. Always adjusting your medication. IMPORTANT: ALBUSTIX results should never be used as

IF TEST RESULTS SEEM QUESTIONABLE:

is evident, if test results are questionable, or if they are inconsistent with expected findings, the following steps are Do not use if pad appears discolored or darkened. If this

- 1. Check the EXPIRATION DATE printed on the bottle label. the date has passed, discard and retest with Reagent
- 2. Test the urine again with a Reagent Strip from a new bottle and compare the results
- For Professional Use: Whenever test controls may also be randomly hidden in each batch of specimens tested. Each laboratory should establish its own goals for adequate standards of performance. control program. Negative and positive specimens results, provide a convenient basis for a urinalysis quality a Control Test to check performance of the whole system Negative Control Strips, with positive, negative or defined (reagent, strip and technique). CHEK-STIX® Positive and questionable or whenever a new bottle is first opened, run results are or

REAGENTS:

your If a problem cannot be identified or corrected, call Representative or contact your healthcare professional. authorized Siemens Healthcare Diagnostics

LIMITATIONS:

on urinalysis strips. The color development on the reagent pad may be masked, or a color reaction may be produced drugs containing azo dyes (e.g., Pyridium, Azo Gantrisin, Azo Gantanol), nitrofurantoin (Macrodantin, Furadantin), and Substances that cause abnormal urine color, on the pad that could be interpreted as a false positive. riboflavin, may affect the readability of the protein reagent pad

False positive results may be obtained with highly buffered or alkaline urines. Contamination of the urine specimen chlorhexidine may also produce false positive results. antiseptics and detergents) or with skin cleansers containing with quaternary ammonium compounds (e.g., from some

SPECIFIC PERFORMANCE CHARACTERISTICS:

Specific performance characteristics are based on clinical and analytical studies. In clinical specimens, the sensitivity the lighting conditions under which the product is read. depends upon several factors: the variability of color ypically found in urine, the specific gravity, and the pH; and perception; the presence or absence of inhibitory factors

specimen and reading variability, specimens with analyte concentrations that fall between nominal levels may give Each color block represents a range of values. Because of

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Direct Fax: +44 (0) 1276 696 680 Frimley, Camberley Surrey, GU16 8QD UK Sir William Siemens Square Siemens Healthcare Diagnostics Direct Telephone : +44 (0) 845 600 1955

> true concentration second positive level will usually be within one level of the results at either level. Results at levels greater than the

of clinical urines, lesser concentrations may be detected presence of these other proteins. and mucoprotein; a negative result does not rule out the albumin than to globulin, hemoglobin, Bence-Jones Protein under certain conditions. The test area is more sensitive to Trace result; however, because of the inherent variability The test generally detects 15-30 mg/dL of albumin as

CHEMICAL PRINCIPLES OF THE PROCEDURE:

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

(Based on dry weight at time of impregnation): 0.3% w/w tetrabromphenol blue; 97.3% w/w buffer; 2.4% w/w non-BIBLIOGRAPHY: reactive ingredients.

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provider. For customer support, contact your local technical support

www.siemens.com/diagnostics

Drigin: Poland

Siemens Healthcare Diagnostics Inc. Tarrytown, NY 10591-5097 USA

EC REP Siemens Healthcare Diagnostics Ltd. Sir William Siemens Sq. Frimley, Camberley, UK GU16 8QD



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