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Glucose Enzymatic Test Strip

» Glucose Enzymatic Test Strip consists of the enzymes glucose oxidase and horseradish peroxidase, a suitable substrate for the reaction of hydrogen peroxide catalyzed by peroxidase, and other inactive ingredients impregnated and dried on filter paper. When tested in human urine containing known glucose concentrations, it reacts in the specified times to produce colors corresponding to the color chart provided.

Packaging and storage—Preserve in the original container, in a dry place, at controlled room temperature.

Identification—Remove the Strips from the container, and test them as directed in the instructions provided by the manufacturer, first in dextrose solution (1 in 50) and then in sucrose solution (1 in 50): color develops from the dextrose solution, but not from the sucrose solution.

Calibration—

Glucose standard solutions—Dissolve anhydrous dextrose in separate portions of freshly voided, normal, glucose-free human urine, previously adjusted to a pH of 6.0 with dilute formic acid (1 in 5), and with sodium hydroxide solution (1 in 2), respectively, to obtain separate solutions of the final concentrations corresponding to the color chart calibrations provided. Allow the standard solutions to stand for 1 hour prior to use.

Procedure—Remove the Strips from the container, and test each *Glucose standard solution* as directed in the instructions provided by the manufacturer: the colors formed on each of the Strips during the specified times match the colors on the color chart provided.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
GLUCOSE ENZYMATIC TEST STRIP	Documentary Standards Support	SM12020 Small Molecules 1

Chromatographic Database Information: [Chromatographic Database](#)

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

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