METHOD FOR MANUFACTURING AN ELECTROCHEMICAL-BASED ANALYTICAL TEST STRIP WITH HYDROPHILICITY ENHANCED METAL ELECTRODES

ABSTRACT OF THE DISCLOSURE

A method for manufacturing a portion of an electrochemical-based test strip comprising includes forming a metal electrode(s) with an upper surface on a surface of an electrically-insulating substrate. The method also includes treating the upper surface of the metal electrode(s) with a hydrophilicity-enhancing composition to form a treated upper surface on the metal electrode with hydrophilicity-enhancing chemical moieties thereon and depositing an enzymatic reagent layer on the treated upper surface of the metal electrode(s).

(Figure 1)