TEST STRIP WITH CLEAR BASE SUPPORT LAYER FOR VISUAL PERCEPTION OF A LIQUID SAMPLE DURING APPLICATION

ABSTRACT OF THE DISCLOSURE

[0063] A test strip for use in the detection of an analyte (e.g., blood glucose) in a liquid sample (e.g., a whole blood sample) includes a base support layer and a reagent pad disposed on the base support layer. In addition, at least a portion of the base support layer in proximity to the reagent pad is formed of a clear material such that a user can perceive the liquid sample through the base support layer during application of the liquid sample to the reagent pad. The test strip optionally includes a reservoir for restraining excess liquid sample. The reservoir can be defined by hydrophilic and hydrophobic regions of the base support layer or by base support ridges that circumscribe the reagent pad. Also a test strip that includes a base support layer with a raised reagent pad platform, a reagent pad disposed on raised reagent pad platform and an upper layer disposed above the base support layer. At least a portion of the base support layer and at least a portion of the upper layer that are in proximity to the reagent pad are formed of a clear material such that a user can perceive the liquid sample through the base support and upper layers during application of the liquid sample to the reagent pad. In addition, the test strip is configured such that a capillary reservoir adapted for restraining excess fluid sample is defined by the base support layer and the upper layer.

Figure 2