

**MEDIATOR STABILIZED REAGENT COMPOSITIONS AND METHODS
FOR THEIR USE IN ELECTROCHEMICAL ANALYTE DETECTION
ASSAYS**

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ABSTRACT OF THE DISCLOSURE

10 Mediator stabilized reagent compositions and methods for their use in
electrochemical analyte determination assays are provided. The subject reagent
compositions include an enzyme, a redox mediator and a mediator-stabilizing buffer.
Optionally, the reagent compositions may further include one or more of a wetting
agent, detergent, enzyme cofactor and combinations thereof. Also provided are
15 electrochemical test strips that include the subject reagent compositions, systems
and kits that include the same as well as methods for using the same in analyte
detection assays. The subject invention finds use in a variety of different
applications, including glucose concentration determination applications.

Figure 2