

Title (en)
CHEMICAL INDICATOR TEST STRIP

Title (de)
CHEMISCHER INDIKATORTESTSTREIFEN

Title (fr)
BANDE D'ESSAI RÉACTIVE POUR INDICATIONS CHIMIQUES

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Abstract (en)
[origin: WO2008076888A1] Articles and methods for the detection and/or quantification of organic analytes are described. The invention provides a chemical indicator test strip, comprising: a substrate; and a coating comprising a leuco dye complex on the substrate, the coating being insoluble in water and reactive with an organic analyte, the coating derived from a solution of leuco dye and developing agent. In another aspect, the coating further comprises adjuvant, in the form of a water-insoluble, polar, hydrophobic, aprotic material that extends the lower limit of detection for the analyte. In still another aspect, the present invention provides a method of using a chemical indicator test strip, comprising: (a) exposing the chemical indicator test strip to a sample comprising an organic analyte; (b) measuring a color change on the chemical indicator test strip following the exposing step; and (c) correlating the color change with the concentration of the analyte in the sample.

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