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Chen et al.

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(54) **TEST PLATFORM SYSTEM AND
DETECTION METHOD BY USING THE
SAME**

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G01N 33/54386; G01N 21/78
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See application file for complete search history.

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(57) **ABSTRACT**

The present disclosure provides a paper-based vertical flow
test platform including: a detection portion; a movable
conjugation portion having an enzyme-labelled protein; and
an absorbent portion. The present disclosure further pro-
vides a detection method by using the same. With the folding
and sliding design, the present disclosure can reduce the
volume of specimen fluids used, and prevent the interference
problem. Also, a portable diagnostic test platform is pro-
vided with ease of use, lower cost, higher sensitivity and
longer storage period to meet requirements of point-of-care
for the fast, simple and stable detection.

20 Claims, 14 Drawing Sheets

