

Title (en)
ROTATABLE TEST ELEMENT

Title (de)
ROTIERBARES TESTELEMENT

Title (fr)
ÉLÉMENT D'ESSAI ROTATIF

Publication
EP 2069787 A1 20090617 (DE)

Application
EP 07818502 A 20070927

Priority
• EP 2007008419 W 20070927
• EP 06020219 A 20060927
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Abstract (en)
[origin: EP1916524A1] A disk-shaped, flat test element (1), rotatable about a (preferably central) axis perpendicular to the plane of the element, has a liquid sample introduction opening (4); a capillary-active region (12) (preferably a porous absorbent matrix) having a first end near and a second end spaced from the axis; and a sample channel (9) extending from near the axis to the first end of the capillary-active region. Independent claims are included for: (1) a variant of the test element, having a sample receiving opening with a sample dosing zone (5) contacting an excess sample zone (7), where a capillary stopper (6) is provided between the sample dosing and excess sample zones; (2) a method for determining an analyte in a liquid sample using the element, involving: applying the sample to the receiving opening; rotating the the element, so that the sample is transported to the first end of the capillary-active zone; slowing or stopping the rotation, so that the sample (or a material recovered from the sample on passage through the element) is sucked from the first end to the second end of the capillary-active zone; and visually or optically determining the analyte in the capillary-active zone or an adjacent zone; and (3) a system for determining an analyte in a liquid sample, comprising a test element as above and a measuring device including a drive for rotating the element and an optical system for evaluating the visual or optical signal from the element.

IPC 8 full level
B01L 3/00 (2006.01)

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Citation (search report)
See references of WO 2008037469A1

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