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(54) Title: TEST CARTRIDGES

(57) Abstract: The disclosure provides cartridges that are pre-loaded with reagents for performing antimicrobial susceptibility testing (AST) and FISH testing. Cartridges of the disclosure include various incubation wells loaded with different antimicrobial agents for differential growth analysis. Imaging wells with species-specific microbial probes, fluorescent tags, magnetic particles and dye-cushion layers allow for tagging and imaging of target microbes for differential growth analysis.



WO 2020/073018 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC - G01N 35/02, C12Q 1/18, C12Q 1/18 (2019.01)

CPC - C12M 41/36, C12M 47/02, G01N 2035/00841, G01N 2035/00346, G01N 2035/00237

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

See Search History document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2018/0088141 A1 (SELUX DIAGNOSTICS, INC.) 29 March 2018 (29.03.2018) para [0008], [0015], [0022], [0031], [0068], [0072], [0090], [0100], [0123], [0158]	1-9, 10a
Y	US 2012/0045826 A1 (YANTZ et al) 23 February 2012 (23.02.2012) abstract, para [0005], [0018], [0019], [0021], [0028], [0032], [0033], [0137], [0144], [0146], [0148], [0180], [0200], [0217], [0225], [0262], [0265], [0322], [0338], [0340], Fig. 12	1-9, 10a, 10b, 11-19, 21-27
Y	US 2006/0046246 A1 (ZENG et al.) 2 March 2006 (02.03.2006) para [0016], [0133], [01335], [0148], [0215], [0219], [0221], [0332], [0339]	4-6, 10b, 11-19, 21-27
Y	US 2015/0152467 A1 (POCARED Diagnostics LTD.) 4 June 2015 (04.06.2015) claims 1, 5	2-3
Y	WO 2012/035302 A1 (THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH) 22 March 2012 (22.03.2012) abstract	23-24
Y	US 2011/0028563 A1 (FOUND) 3 February 2011 (03.02.2011) abstract	23-24

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