

Title (en)  
LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) ANALYSIS FOR PATHOGENIC TARGETS

Title (de)  
LOOP-VERMITTELTE ISOTHERMALE AMPLIFIKATION (LAMP)-ANALYSE FÜR KRANKHEITSERREGENDE TARGETS

Title (fr)  
ANALYSE D'AMPLIFICATION ISOTHERME INDUITE PAR BOUCLE (LAMP) POUR CIBLES PATHOGÈNES

Publication  
**EP 4278001 A1 20231122 (EN)**

Application  
**EP 22703178 A 20220115**

Priority  
• US 202163138312 P 20210115  
• US 2022012635 W 20220115

Abstract (en)  
[origin: WO2022155546A1] The present disclosure is drawn to compositions, methods, and systems for loop-mediated isothermal amplification (LAMP) analysis on a solid phase medium. The composition can comprise one or more target primers, a DNA polymerase, and a re-solubilization agent. The composition can be substantially free of non-pH sensitive agents capable of discoloring the solid phase medium. The method can comprise providing an assembly of a solid phase medium, depositing a biological sample onto the solid phase medium, and heating the assembly to an isothermal temperature sufficient to facilitate a LAMP reaction. The system can comprise a composition and a solid phase medium on to which the composition is deposited.

IPC 8 full level  
**C12Q 1/6806** (2018.01)

CPC (source: EP KR)  
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C-Set (source: EP)  
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BA ME

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KH MA MD TN

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**WO 2022155546 A1 20220721**; AR 124656 A1 20230419; AU 2022207503 A1 20230622; BR 112023014265 A2 20231024; CA 3203454 A1 20220721; CL 2023002063 A1 20240419; CN 117881793 A 20240412; EP 4278001 A1 20231122; JP 2024502639 A 20240122; KR 20230126217 A 20230829; MX 2023008416 A 20240429; TW 202242131 A 20221101

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