

Title (en)
LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) ON A SOLID-PHASE MEDIUM

Title (de)
LOOP-VERMITTELTE ISOTHERMALE AMPLIFIKATION (LAMP) AUF EINEM FESTPHASENMEDIUM

Title (fr)
AMPLIFICATION ISOTHERME INDUITE PAR BOUCLE (LAMP) SUR UN MILIEU EN PHASE SOLIDE

Publication
EP 4278003 A1 20231122 (EN)

Application
EP 22704038 A 20220115

Priority
• US 202163138321 P 20210115
• US 2022012640 W 20220115

Abstract (en)
[origin: WO2022155550A1] The present disclosure is drawn to loop-mediated isothermal amplification (LAMP) reaction assemblies including a substantially hygroscopic agent free LAMP reagent mixture in combination with a solid-phase reaction medium. The present disclosure also includes systems for a chromatic LAMP analysis including a substantially non-reactive solid phase reaction medium, and a non-interfering reagent mixture. The present disclosure also includes solid phase LAMP reaction mediums comprising a substrate, an adhesive layer disposed on the substrate, a reaction layer disposed on the adhesive layer, and a spreading layer disposed on the reaction layer. The present disclosure also includes methods of testing for a presence of a target nucleotide sequence including providing a biological sample, and dispensing the sample into a test environment having a solid phase reaction medium in combination with a LAMP reagent mixture and a pH sensitive dye.

IPC 8 full level
C12Q 1/6806 (2018.01); **C12Q 1/6848** (2018.01)

CPC (source: EP)
C12Q 1/6806 (2013.01); **C12Q 1/6848** (2013.01)

C-Set (source: EP)
1. **C12Q 1/6806** + **C12Q 2527/119** + **C12Q 2527/153** + **C12Q 2531/119** + **C12Q 2565/625**
2. **C12Q 1/6848** + **C12Q 2527/119** + **C12Q 2527/153** + **C12Q 2531/119** + **C12Q 2565/625**

Citation (search report)
See references of WO 2022155550A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022155550 A1 20220721; AR 124664 A1 20230419; EP 4278003 A1 20231122; TW 202246524 A 20221201

DOCDB simple family (application)
US 2022012640 W 20220115; AR P220100088 A 20220117; EP 22704038 A 20220115; TW 111101760 A 20220114