

Title (en)

LATERAL FLOW ASSAYS COMPRISING NON-SPHEROIDAL GOLD NANOPARTICLES

Title (de)

LATERALFLUSSASSAYS MIT NICHTKUGELIGEN GOLDNANOPARTIKELN

Title (fr)

DOSAGES IMMUNOCHROMATOGRAPHIQUES COMPRENANT DES NANOPARTICULES D'OR NON SPHÉRIQUES

Publication

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Application

EP 20816505 A 20201204

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Abstract (en)

[origin: WO2021110958A1] Spherical gold nanoparticles are the most used label in lateral flow test devices because it is easy to conjugate biological molecules onto gold nanoparticles, they have a strong red color and they are relatively stable. However, there is a need to improve the sensitivity of lateral flow devices to decrease their lower detection limit. The present invention aims to improve the sensitivity of lateral flow devices by using nanoparticles having a substantially polyhedron shape and stronger plasmon/color.

IPC 8 full level

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