

Title (en)  
RAPID IMMUNOASSAY FOR STREPTOCOCCUS MUTANS

Title (de)  
SCHNELLER IMMUNOASSAY FÜR STREPTOCOCCUS MUTANS

Title (fr)  
DOSAGE IMMUNOLOGIQUE RAPIDE POUR LE STREPTOCOCCUS MUTANS

Publication  
**EP 0871890 A4 20010502 (EN)**

Application  
**EP 96924689 A 19960723**

Priority  
• US 9612135 W 19960723  
• US 50865395 A 19950728

Abstract (en)  
[origin: WO9705486A1] An assay for detecting oral bacterium, preferably Streptococcus mutans, most preferably serovars c, e, and f, comprising gathering a sample suspected of containing an oral bacterium of interest (target), immobilizing any oral bacterium present on a non-inactive substrate, contacting the sample with an antibody, either polyclonal antibodies (absorbed animal antisera) or monoclonal antibodies, that are specific for the sought or target oral bacterium; contacting the antibody with a label capable of being detected thereby identifying the presence of the antibody, detecting the label, whereby the presence of Streptococcus mutans in the media is determined. The device for conducting these tests is a frame or support holding non-interactive material capable of binding the sought antigens of interest (target) while permitting drainage of fluids.

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**G01N 33/56944** (2013.01); **G01N 33/56955** (2013.01)

Citation (search report)  
• [Y] JP H01250067 A 19891005 - LION CORP  
• [Y] US 4399229 A 19830816 - KELTON ARDEN A [US], et al  
• [X] BUSH M S ET AL: "A METHOD FOR THE IDENTIFICATION OF STREPTOCOCCUS- MUTANS IN GINGIVAL MARGIN PLAQUE BY IMMUNOFLUORESCENCE.", CARIES RES, (1990) 24 (1), 23-29., XP000098367  
• See references of WO 9705486A1

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