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(71) Applicant: MYTECH CO., LTD. [JP/JP];
60-7, Tsugi, Himeji-shi Hyogo, 6728004 (JP).

(72) Inventors: HASEGAWA, Yuki; 60-7, Tsugi, Himeji-shi
Hyogo, 6728004 (JP). HASEGAWA, Katsuyuki;
60-7, Tsugi, Himeji-shi Hyogo, 6728004 (JP).

(74) Agent: ISHII, Hisao; Grandview Shimamoto Build-
ing 201, 3-1, Higashinobusue 3-chome, Himeji-shi Hyogo,
6700965 (JP).

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(54) Title: FLUORESCENCE COUNTING SYSTEM FOR QUANTIFYING VIRUSES OR ANTIBODIES ON AN IMMOBILIZED METAL SUBSTRATE BY USING AN ANTIGEN-ANTIBODY REACTION

(57) Abstract: The present invention relates to a system capable of performing simple and rapid inspection of an antigen equivalent to the immune chromatographic method with accuracy good as a PCR method. An embodiment relates to a novel fluorescence counting system for quantifying viruses or antibodies in an analyte which comprises an unit of providing an antigen or antibody phase solidified substrate by an aggregation method with quantum crystals, an unit for making a labeling liquor and labeling a virus or an antibody to be measured in the analyte by an antigen-antibody method, an unit of exciting the fluorescently labeled virus or antibody by a surface plasmon excitation method, and an unit of counting fluorescent points in an excited fluorescent screen to quantify the virus or antibody in the analyte.



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