

Title (en)

METHOD FOR EXAMINING A TEST SAMPLE BY MEANS OF FLUORESCENCE SPECTROSCOPY, ESPECIALLY FLUORESCENCE CORRELATION SPECTROSCOPY, AND DEVICE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR FLUORESZENZSPEKTROSKOPISCHEN, INSBESONDERE FLUORESZENZKORRELATIONSSPEKTROSKOPISCHEN UNTERSUCHUNG EINER MESSPROBE SOWIE EINRICHTUNG ZUR DURCHFÜHRUNG DESSELBEN

Title (fr)

PROCEDE D'EXAMEN PAR SPECTROSCOPIE PAR FLUORESCENCE, NOTAMMENT PAR SPECTROSCOPIE DE CORRELATION PAR FLUORESCENCE D'UN ECHANTILLON DE MESURE ET DISPOSITIF APPROPRIE POUR METTRE LEDIT PROCEDE EN OEUVRE

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Application

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Abstract (en)

[origin: DE10103304A1] The invention relates to a method for examining a test sample by means of fluorescence spectroscopy, especially fluorescence correlation spectroscopy. Said test sample is introduced into a sample receiver chamber (12) which is sunk in a sample carrier (10). The electrically charged analytes contained in the test sample are then concentrated in a measuring volume (26) inside the sample volume. The measuring volume (26) is then examined. According to the invention, the defining walls (28) of the sample receiver chamber (12) are brought to an equidirectional electrostatic potential for charging the analytes, essentially over the entire surface, in order to concentrate the analytes in the measuring volume (26). An electrical molecular trap formed in such a way is very easy to carry out and is especially suitable for examining a series of test samples which are arranged, in a large number, in cavities (12) of the sample carrier (10) in a closely adjacent manner.

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IPC 8 full level

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