Abstract

Method for Examining Microorganisms and Examination Apparatus for Microorganisms

An examination apparatus 1 for microorganisms for measuring an amount of microorganisms in a sample solution, the apparatus including stirring and mixing means 7 for stirring and mixing the sample solution into which a sample and a fluorescent staining reagent are added, in a sample container 5 formed of a material allowing light to pass through, an excitation light source 10 including a light source that irradiates an irradiation target surface of the sample container 5 with excitation light while the sample solution is being stirred by the stirring and mixing means 7, light receiving means 14 for detecting light and converting the light resulting from a fluorescent emission caused by excitation light from the excitation light source 10, into an electric signal, and control means 23 for detecting the number of emissions based on the electric signal from the light receiving means 14 and calculating the amount of the microorganisms contained in the sample in the sample container 5 based on the number of emissions.

FIG. 3