

MICROORGANISM MEASURING SYSTEM AND MICROORGANISM  
MEASURING METHOD

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**ABSTRACT**

The present invention makes a microorganism measuring system set control reference values with higher accuracy than ever. Based on results of repeated CFU countings and results of repeated ATP measurements, a microorganism measuring system (1) of the present invention obtains a probability density function of ATP measured values in a normal condition; determines an alert reference value at which a desired probability of false positives is equal to or less than a probability, and an action reference value at which a desired probability of false negatives is equal to or less than a probability; and thereby controls the ATP measured values. For this reason, the microorganism measuring system (1) can set the control reference values with higher accuracy than ever, without being influenced by an error in the conversion of ATP contents into CFU counts. Accordingly, the microorganism measuring system (1) can achieve the microbiological control with desired control accuracy.

25 Fig. 1