

A Study Into the Use of Milliflex Quantum as Rapid Microbial Detection Method for Microorganisms in Pharmaceutical Grade Water



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The Milliflex Quantum rapid detection system utilizes the Milliflex membrane filtration system which was originally developed for conventional microbial culture work. With the Quantum system, using fluorescent based staining, the technology allows for earlier detection and enumeration of microorganisms before they are visible to the naked eye. This occurs by a fluorescent viability marker which is taken up by organisms and the microbial cell metabolism causes an enzymatic cleavage of a non-fluorescent substrate. This reaction causes the liberation of a free fluorochrome into the cytoplasm of the...

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