

Title (en)
FILTER MODULE AND METHOD FOR DETECTING MICROORGANISMS

Title (de)
FILTERMODUL UND VERFAHREN ZUM NACHWEIS VON MIKROORGANISMEN

Title (fr)
MODULE DE FILTRAGE ET PROCÉDÉ POUR LA DÉTECTION DE MICRO-ORGANISMES

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Abstract (en)
[origin: WO2019086286A1] The invention relates to a filter module (10), comprising a housing (12), which by means of a membrane filter (14) is subdivided into an inlet chamber (16), which is connected to an inlet connection piece (22) that is rigidly arranged on the housing (12), and an outlet chamber (18) having a filtrate outlet (20). The invention is characterized in that the inlet connection piece (22) has two connections (26, 28), namely a first connection (26) and a second connection (28), which by means of a three-way valve (24) integrated in the inlet connection piece (22), said three-way valve comprising a first inlet connected to the first connection (26), and a second inlet connected to the second connection (28), and an outlet connected to the inlet chamber (16), are, as an option, fluidically connectable to the inlet chamber (16). The first connection (26) is designed as an adapter for allowing the coupling of a nutrient medium bottle (30) for an outwardly sealed, gravitation-driven fluid exchange with the first inlet of the three-way valve (24). The invention further relates to a method for detecting microorganisms using such a filter module (10).

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