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(54) Title: PATHOGEN DETECTION IN LIQUID MATRIX

(57) Abstract: The present invention provides methods, reagents and a kit for the detection of a pathogen in a test sample, notably a sample of an environmental water matrix. The method involves the detection by multiplex digital PCR (dPCR) of several pathogen sequences without prior purification of the sample. In one embodiment, the invention provides a method for detection of the Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) virus in a sample, notably sample of an environmental water matrix.

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