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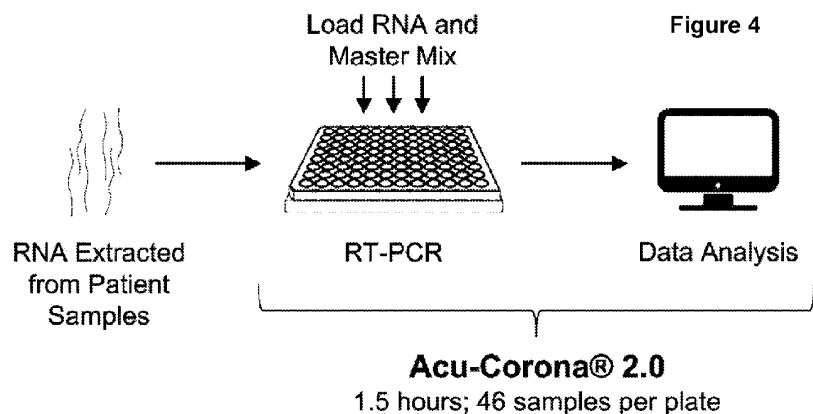
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(54) Title: METHODS AND KITS FOR IMPROVED PCR



(57) Abstract: The invention relates to a polymerase chain reaction (PCR) detection kit comprising dried and sealed nucleotide probe, nucleotide forward primer and nucleotide reverse primer pre-printed together into each of the plurality of wells within one plate and methods of making and using the same for detecting the presence of an infectious agent in a sample. In certain embodiment, the infectious agent is SARS-CoV-2, wherein RNA samples are extracted from patient swab (nasopharyngeal and oropharyngeal).

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