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(54) Title: UNIVERSALLY APPLICABLE LYSIS BUFFER AND PROCESSING METHODS FOR THE LYSIS OF BODILY SAMPLES

(57) Abstract: The present invention provides a universally applicable lysis buffer comprising a chaotropic 5 agent, a reducing agent, and a proteolytic enzyme suitable for processing a wide variety of different sample types, such as different types of bodily samples relevant for the diagnosis of a respiratory disease. Furthermore, the present invention provides the use of a chaotropic agent, a reducing agent, and a proteolytic enzyme for the lysis of a broad spectrum of bodily samples. Moreover, the present invention provides a method for processing bodily samples which is universally applicable to the lysis of a variety of different types of bodily samples. Furthermore, the present invention provides methods for analyzing a bodily sample or for detecting the presence of a pathogen in a bodily sample, preferably, for diagnosing a respiratory disease, such as pneumonia or tuberculosis. Preferably, these methods are universally applicable to a variety of sample types, are applicable as one-tube-processes, are suitable for performance in a high-throughput setting, and are automatable.



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