

PATENT NO. 408696
METHOD FOR BACTERIAL CELL LYSIS AND BACTERIOPHAGE DNA ISOLATION

APPLICATION NO. 201911031265

APPLICANT

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ABSTRACT

A method of bacterial cell lysis for recovering inclusion bodies and/or plasmid DNA from bacterial cells is provided. The method comprises of suspending the bacterial cells in a lysis buffer comprising Zwitterionic detergent wherein the Zwitterionic detergent is n-Tetradecyl-N,N-dimethyl-3-ammonio-1-propanesulfonate. Incubating the bacterial cells with the lysis buffer at a temperature in the range of 50 degree Celsius to 80 degree Celsius for a period ranging from 5 minutes to 15 minutes to obtain bacterial cell lysate. Recovering inclusion bodies and/or plasmid DNA from the bacterial cell lysate so obtained. A method for isolation of bacteriophage DNA, Is also provided.

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CLAIM 1

A method of bacterial cell lysis, the method comprising:
suspending the bacterial cells in a lysis buffer comprising Zwitterionic detergent wherein the Zwitterionic detergent is n-Tetradecyl-N,N-dimethyl-3-ammonio-1-propanesulfonate; and
incubating the bacterial cells with the lysis buffer at a temperature in the range of 50 degree Celsius to 80 degree Celsius for a period ranging from 5 minutes to 15 minutes to obtain bacterial cell lysate.