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(54) Title of the invention : MULTIPLEX PCR ASSAY WITH COCKTAIL OF PRIMER MIX TO IDENTIFY PATHOGENIC BACTERIA CAUSING NEONATE SEPSIS

(51) International classification	:C12Q0001689000, G01N0033569000, A61B0005150000, C12N0015100000, C12Q0001680600	(71)Name of Applicant : 1)JSS Medical College, Mysuru (Affiliated to JSS Academy of Higher Education & Research) Address of Applicant :Bangalore - Mysore Rd, Bannimantap A Layout, Bannimantap, Mysuru, Karnataka 570 015 India Karnataka India
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(57) Abstract :

A Multiplex PCR assay with a unique cocktail of primer mix to identify pathogenic bacteria causing sepsis in neonates by collecting blood samples. The sensitivity of multiplex PCR diagnostic tool is used for the detection of microbial targets which is enhanced by slight modifications over the standard silica-based spin column method for genomic DNA extraction and a sample enrichment using pretested appropriate enrichment media.

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