A Distributed Clinical & Biodefense National Network for Rapid Organism Identification

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Specific Aim 1: Establish a fully automated system for manipulation of clinical specimens, plating , growth, detection and identification of Class B bacterial pathogens.

Subgoals include integrate current bardot technology with conveyer system that will allow automation; integrate an automated incubator; develop and integrate a colony pickerand a colony spreader; integrate mechanical and software with data management engine

Specific Aim 4: Develop a mechanism for integrity of organism patterns and validation of different instruments. Establish a mechanism for determining the variation between instruments

Subgoals include establish cross validation between each instrument; difference in pattern reation/recognition; obtain time dependent data; using clinical isolate organisms determine the variation in pattern generation between isolates; develop a parallel evaluation system with traditional microbial systems and Bardot

[See also following movie clip]

http://www.youtube.com/watch?v=kDgh2xoEWIw

http://www.youtube.com/watch?v=4sARibgLs5I&feature=channel&list=UL