A Novel Anti-Polysaccharide Antiserum for Detection of Clostridium Difficile Bacteria, and Diagnosis of Clostridium Difficile Colonization in Complex Clinical Specimens

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Title: A Novel Anti-Polysaccharide Antiserum for Detection of Clostridium difficile Bacteria, and Diagnosis of Clostridium difficile Colonization in Complex Clinical Specimens

Invention: The technology is an antiserum that is highly specific for Clostridium difficile. This target is available on all clinically relevant strains of Clostridium difficile bacteria.

Background: Clostridium difficile is a bacteria that causes serious intestinal issues. Each year there are approximately 500,000 cases of Clostridium difficile in the United States, which results in $4 billion in healthcare costs. The key to treating this infection and preventing recurrent infections is early, accurate diagnosis. Unfortunately, individuals with a low quantity of Clostridium difficile or non-toxic strains cannot be identified.

Applications:

• Diagnostic assays
• Health-systems
• Laboratories

Advantages:

• Reduces repeat testing
• Highly specific to Clostridium difficile only

Licensing Manager:

Contact Tod McCauley
Sr. Licensing Manager
todm@tla.arizona.edu
(520) 626-7916
Tod McCauley
TodM@tla.arizona.edu
(520) 626-7916

Inventors

Virinchipuram Viswanathan
Associate Professor, SACBC

Gayatri Vedantam
Professor, 48 Animal & Comparative Biomedical Sciences