Antibody Test for Coccidioidomycosis

UA ID Technology #ua18-008

Title: Antibody Test for Coccidioidomycosis

Invention: This invention is a novel diagnostic test for coccidioidomycosis, known as valley fever.

Background: Valley Fever (coccidioidomycosis) is a fungal disease that is a common cause for pneumonia due to spores that are swept through the air. The fungal infection can be identified in microscopic detection of specific cells within bodily fluids. A skin test is useful in suggesting infection, however, if there isn’t a “conversion”, the test is deemed non-conclusive. Therefore, there remains a need for a fast and precise serological test.

Applications:

• Valley fever antibody detection assay

Advantages:

• Enables the use of pure antigen
• Not affected by sera (or other test specimens)
• Reactivity of recombinant peptides

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