



Standard Operating Procedure

2-SIDED R-CARD® Test Method

(Patent Pending)

General Use

Roth Bioscience, LLC
1303 Eisenhower Drive S.
Goshen, IN 46526
(574) 533-3351
hello@rothbioscience.com

RothBioscience.com

Summary of the Invention

The invention relates in part to other test card-like products, most which consist of flattened products that contain coatings or layers of components. The invention of the 2-Sided R-CARD® occurred to meet a specific need to have a single card that could demonstrate at least 2 bacterial types that could not currently grow and be differentiated on any of the existing card types due to the fact that they require a chemically different medium formulation than the single formulation used on currently existing card types.

Procedure

1. Collect sample or prepare inoculum
2. Place R-CARD® on a flat, level surface. Lift the top piece (by grasping a bottom corner) and deposit 1mL of the sample (inoculum) onto the center of the middle piece.
3. Lower the top piece down onto the sample, allow the sample to spread into a circular pattern between the top piece and the bottom piece. The entire sample should be contained within the area of the top piece if the procedure is properly done. No spreader tool or other assistance should be needed, but if a larger covered area is desired, a gentle presser with a finger or other device can be used on the top piece. Wait for 2 minutes for it to gel.
4. Turn the card over to the 2nd side and repeat step numbers 2 and 3.
5. Place the inoculated R-CARD® into an incubator preset at the preferred temperature, according to specific test protocol. R-CARD® tests may be stacked on top of each other, not to exceed 15 tests.
6. Incubate for a predetermined time and observe, count and record the results.
7. The R-CARD® can be photographed and transferred to a computer where the results may also be counted, recorded, and analyzed.
8. Disposal of R-CARD® tests may be done by autoclaving or use of other means that results in the sterilization of the microbes in the sample layer. The used cards may be kept for longer periods of time for future reference if proper safeguards are observed to prevent the escape of the microbes contained. A relatively permanent storage solution is to laminate the card between pieces of plastic.