

K9170 OXGALL DISCS BILE SENSITIVITY

Ver. 0605

DISCUSSION:

The ability of an organism to grow in the presence of relatively high concentrations of bile will separate Gram negative bacilli into bile tolerant (primarily *Bacteroides fragilis* group, *Bilophila* and some fusobacteria) or bile sensitive (*Prevotella*, and *Porphyromonas*).

INSTRUCTIONS:

- 1) Make a fresh subculture of the organism in question on a supportive media not containing bile.
- 2) Firmly place a disc in the area of heavy inoculum.
- 3) Incubate @35-37C under anaerobic conditions for 24-48 hours.

INTERPRETATION:

Any zone of inhibition around the disc is a positive

test, indicating bile sensitivity. Bile resistant organisms grow to the edge of the disc.

MATERIAL PROVIDED:

K9170- 50 discs per container.

MSDS:

Each K9170 disc contains approximately 2 mg of bovine bile-not known at this time to be hazardous.

MATERIAL REQUIRED BUT NOT PROVIDED:

Anaerobic media not containing bile
loop
forceps

STORAGE:

Store at room temperature (2-25C acceptable).

QUALITY CONTROL:

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QUALITY CONTROL:

Key Oxgall Discs should be tested prior to use with organisms of known reactivity. Key suggests *Porphyromonas levii* ATCC 29147 as sensitive and *Bacteroides fragilis* ATCC 25285 as resistant. Discard used discs in a manner conforming with accepted laboratory procedures for bio-hazardous materials.

REFERENCES :

- (1) Bailey and Scott's Diagnostic Microbiology, 7th Edition, Chapter 34, Processing Clinical Specimens for Anaerobic Bacteria: Isolation and Identification Procedures.
- (2) Principles and Practice of Clinical Anaerobic Bacteriology, Engelkirk, Paul G., Janet Duben-Engelkirk and V.R. Dowell, Jr. Chapter 8 Presumptive Identifications and Appendix D

Laboratory Procedures. (3) Wadsworth Anaerobic Bacteriology Manual, Summanen, Paula et al, Appendix B Biochemical test Procedures, Chapter 4 Preliminary Identification Methods.



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K9170-0805

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