Product Insert

CAMPYLOBACTER-WOLINELLA DIFFERENTIAL MEDIUM (CAMPY-WOL)

Products

AS-6420 Campylobacter-Wolinella Differential Medium (CAMPY-WOL) 4 plates / pkg

Intended Use

Campylobacter-Wolinella Differential Medium (CAMPY-WOL) is an enriched differential media used for the isolation and presumptive identification of anaerobic *Campylobacter* (formerly *Wolinella*) species.

Summary

CAMPY-WOL contains vancomycin at a concentration that inhibits most gram-positive organisms. This media is supplemented with ferrous sulfate as a source of iron. Sodium thiosulfate is included for a source of hydrogen sulfide production, which is visualized by the formation of black precipitation around the colonies for the differentiation of anaerobic *Campylobacter* spp. from other organisms. This media is prepared, dispensed, and packaged under oxygen-free conditions to prevent the formation of oxidized products prior to use.

Formulation

Brain Heart Infusion	17.50	g
Proteose Peptone	10.00	g
Dextrose	2.00	g
Sodium Chloride	5.00	g
Disodium Phosphate	2.50	g
Sodium Formate	2.000	g
Sodium Fumarate	3.000	g
Yeast Extract	10.000	g
Vitamin K1 (1.0% solution)	1.000	mL
Hemin (0.1% solution)	5.000	mL
Agar	15.000	g
Sodium Thiosulfate	0.300	g
Ferrous Sulfate Heptahydrate	0.200	g
Vancomycin	0.009	g
DI Water	1.000	L

Final pH 7.2 ± 0.2 at 25 ºC.
Final weight 16.0 g ± 1.6 g

*Approximate formula. Adjusted and/or supplemented as required to meet performance criteria.

Precautions

For *IN VITRO DIAGNOSTIC USE* only. Utilize approved biohazard precautions and aseptic technique when using this product. This product is for use only by properly trained and qualified personnel. Sterilize all biohazard waste prior to disposal.

Storage and Shelf Life

Storage: Upon receipt, store at room temperature in original package until used. Avoid overheating or freezing. Do not use media if there are signs of deterioration (shrinking, cracking, or discoloration due to oxidation of media) or contamination. The expiration date applies to the product in its original packaging and stored as directed. Do not use product past the expiration date shown on the label.

Shelf Life: 90 days from date of manufacture.

Procedure

Specimen Collection: Protect specimens for anaerobic culture from oxygen during collection, transportation, and processing. Consult appropriate references for detailed instructions concerning collection and transportation of anaerobes.

Methods for Use: CAMPY-WOL should be inoculated directly with clinical specimen or from a broth that has been inoculated from a clinical specimen. Streak plates with inoculum to obtain isolated colonies and immediately place in an anaerobic atmosphere, incubating at 35-37°C for 18-48 hours. Extended periods of incubation may be required to recover some anaerobes. Extended incubation time may also result in loss of selectivity of the media which can result in the overgrowth of organisms that should be inhibited. Detailed instructions for processing anaerobic cultures can be found in the listed references.

Materials Required, But Not Provided

Standard microbiological supplies and equipment such as loops, saline blanks, slides, staining supplies, microscope, incinerator / autoclave, incubators, anaerobic chamber / anaerobic jars, other culture media, and serological / biochemical reagents.

Interpretation of Results

If used properly, CAMPY-WOL supports good growth of *Campylobacter* (formerly *Wolinella*) species found in clinical infections.

Limitations

CAMPY-WOL will not provide complete information for identification of bacterial isolates. Additional test procedures and media are required for complete identification. It is recommended that a non-selective media, such as Brucella Blood Agar (BRU, catalog #: AS-111) also be inoculated from the same clinical specimen to assure recovery of all species present. Additional test procedures and media are required for complete identification. Consult reference materials for additional information.

Quality Control

The following organisms are routinely used for quality assurance performance testing at Anaerobe Systems.

Organism Tested	ATCC #	Results	Time
Campylobacter rectus	33238	Growth	24 hrs
Clostridium perfringens	13124	No Growth	
Actinomyces viscosus	43146	No Growth	
Campylobacter gracilis	33236	Growth	24 – 48 hrs
Bacteroides fragilis	25285	Growth	24 – 48 hrs
Peptostreptococcus anaerobius	27337	No Growth	

User Quality Control: The final determination to the extent and quantity of user laboratory quality control must be determined by the end user.

If sterility testing is to be performed on this product, a representative sample of the lot(s) should be incubated anaerobically and aerobically for 48 – 96 hours.

If the nutritive/inhibitory capacity of this media is to be tested for performance, it is recommended that the following ATCC organisms be evaluated for growth/inhibition.

Organism	ATCC #	Expected Growth
C. rectus	33238	24 hrs
C. gracilis	33236	24-48 hrs
B. fragilis	25285	24-48 hrs
C. perfringens	13124	Inhibited
P. anaerobius	27337	Inhibited

Physical Appearance: CAMPY-WOL should appear translucent yellow green in color.

References

1. Dowell, V. R., Jr. and T. M. Hawkins. 1987. *Laboratory Methods in Anaerobic Bacteriology. CDC Laboratory Manual*. USDHHS CDC. Atlanta, GA 30333.

2. Engelkirk, P. G., Duben-Engelkirk, J., Dowell, V. R. 1992. *Principles of Practices of Clinical Anaerobic Bacteriology*. Star Publishing Co., Belmont, CA 94002.

3. Holdeman, L. V., F. P. Cato and W. E. C. Moore. 1987. *Anaerobe Laboratory Manual*. Virginia Polytechnic Institute and State University. Blacksburg, VA 24061.

4. Jousimies-Somer, H. R., Summanen, P., Citron, D. M., Baron. E. J., Wexler, H. M. and S. M. Finegold. 2002. *Wadsworth – KTL- Anaerobic Bacteriology Manual.* Star Publishing Co., Belmont, CA 94002.

5. Hammond, B. F. and Mallonce D. A Selective/Differential Medium for *Wolinella recta*. *J. Dent. Res.* 1988; 67 (spec iss): 327, Abstract 1712.

6. CLSI. *Quality Control for Commercially Prepared Microbiological Culture Media; Approved Standard- Third Edition.* (2004). CLSI document M22-A3. CLSI, 940 West Valley Road, Suite 1400, Wayne, PA 19087-1898.

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