

BD Difco™ Antimicrobial Vial A

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See symbol glossary at end of insert. / Se symbolglossaret i slutningen af indlægssedlen. / Voir le glossaire des symboles à la fin de la notice. / Siehe Symbol-Erklärungen am Ende der Packungsbeilage. / Δείτε το γλωσσάριο των συμβόλων στο τέλος του ένθετου. / Vedere il glossario dei simboli alla fine del foglio illustrativo. / Consulte o glossário de símbolos no fim do folheto informativo. / Consulte el glosario de símbolos al final del prospecto. / Se symbolförteckningen vid slutet av bipacksedeln.

Contact your local BD representative for instructions. / Kontakt den lokale BD repræsentant for at få instruktioner. / Veuillez contacter le Service d'Assistance Technique de BD pour toute instruction. / Um Anleitungen zu erhalten, wenden Sie sich bitte an Ihren BD-Kundendienst. / Επικοινωνήστε με τον τοπικό αντιπρόσωπο της BD για οδηγίες. / Contattare il rappresentante BD di zona per ottenere il foglietto illustrativo. / Contacte o seu representante local da BD para obter instruções. / Para obtener el prospecto del producto, comuníquese con el representante de BD. / Kontakta lokal Becton Dickinson-representant för anvisningar.

INTENDED USE

Difco™ Antimicrobial Vial A, containing chlortetracycline, is used in preparing selective microbiological culture media.

SUMMARY AND EXPLANATION

Difco Antimicrobial Vial A was originally used in preparing Dermatophyte Test Medium (DTM Agar) described by Taplin, Azias, Rebell and Blank¹ for the isolation of dermatophytes. Antimicrobial Vial A is applicable for use in various media requiring this antibiotic. Cooke² preferred chlortetracycline in Cooke Rose Bengal Agar due to the increased stability of the antibiotic.

PRINCIPLES OF THE PROCEDURE

Chlortetracycline selectively inhibits bacterial growth by inhibiting protein synthesis³ and restricts the size and height of colonies of more rapidly growing molds.

REAGENTS

Difco™ Antimicrobial Vial A

Contains 25 mg desiccated chlortetracycline per 10 mL vial.

The resulting concentration of the rehydrated solution is 2.5 mg chlortetracycline per mL.

Warnings and Precautions:

For Laboratory Use.

Storage Instructions: On receipt, store at 2 - 8°C.

PROCEDURE

Material Provided: **Difco™** Antimicrobial Vial A

Materials Required But Not Provided: Ancillary culture media, reagents, quality control organisms and laboratory equipment as required for this procedure.

DIRECTIONS FOR PREPARATION: Observe aseptic techniques.

To rehydrate **Difco** Antimicrobial Vial A, aseptically add 10 mL sterile, purified water and agitate gently to effect complete solution. Add the rehydrated contents of the vial to autoclaved basal medium cooled to about 50°C (e.g., 10 mL to 250 mL of Dermatophyte Test Medium Base; 14 mL to 1 L of Cooke Rose Bengal Agar) and swirl to obtain a homogeneous solution. Dispense into Petri dishes, tubes or one-ounce bottles.

USER QUALITY CONTROL**Difco™ Antimicrobial Vial A****Identity Specifications**

Desiccated Appearance: Yellow cake or powder.
Rehydrated Appearance: Yellow, clear solution.
Solution: Soluble in 10 mL purified water.

Cultural Response

Prepare **Difco** Cooke Rose Bengal Agar (Antimicrobial Vial A added aseptically) per label directions. Inoculate and incubate at 25-30°C for up to 72 h.

ORGANISM	ATCC™	INOCULUM CFU	RECOVERY
<i>Aspergillus niger</i>	16404	Undiluted	Good
<i>Candida albicans</i>	26790	30 - 300	Good
<i>Escherichia coli</i>	25922	10 ³	Inhibition
<i>Saccharomyces cerevisiae</i>	9763	30 - 300	Good

Results

Refer to appropriate references and procedures for results.³⁻⁵

AVAILABILITY

Cat. No. Description
233331 **Difco™** Antimicrobial Vial A, 6 x 10 mL.

REFERENCES

1. Taplin, Azias, Rebell and Blank. 1969. Arch. Dermatol. 99:203.
2. Cooke. 1954. Antibiot. Chemoth. 4:657.
3. Murray, Baron, Pfaller, Tenover and Tenover (ed.). 1999. Manual of clinical microbiology, 7th ed. American Society for Microbiology, Washington, D.C.
4. Clesceri, Greenberg and Eaton (ed.). 1998. Standard methods for the examination of water and wastewater, 20th ed. American Public Health Association, Washington, D.C.
5. Beuchat and Cousin. 2001. In Downes and Ito (ed.), Compendium of methods for the microbiological examination of foods, 4th ed. American Public Health Association, Washington, D.C.

LOT Batch Code (Lot) / Batch kode (Lot) / Chargennummer (lot) / Eräkoodi (LOT) / Code de lot (Lot) / Chargencode (Chargenbezeichnung) / Κωδικός παρτίδας (Παρτίδα) / Codice del lotto (partita) / Batch-kode (Serie) / Código do lote (Lote) / Código de lote (Lote) / Satskod (parti)



Use by / Anvendes før / Houdbaar tot / Viimeinkäyttöpäivä / A utiliser avant / Verwendbar bis / Ημερομηνία λήξης / Usare entro / Brukes før / Utilizar em / Usar antes de / Använd före / YYYY-MM-DD / YYYY-MM (MM = end of month) / AAAA-MM-DD / AAAA-MM (MM = slutning af måned) / JJJJ-MM-DD / JJJJ-MM (MM = einde maand) / VVVV-KK-PP / VVVV-KK (kuukauden loppuun mennessä) / AAAA-MM-JJ / AAAA-MM (MM = fin du mois) / JJJJ-MM-TT / JJJJ-MM (MM = Monatsende) / EEEE-MM-HH / EEEE-MM (MM = τέλος του μήνα) / AAAA-MM-GG / AAAA-MM (MM = fine mese) / AAAA-MM-DD / AAAA-MM (MM = slutten av måneden) / AAAA-MM-DD / AAAA-MM (MM = fim do mês) / aaaa-mm-dd / aaaa-mm (mm = fin del mes) / AAAA-MM-DD / AAAA-MM (MM = slutet på månaden)



REF Catalog number / Katalognummer / Catalogusnummer / Tuotenumero / Numero catalogue / Bestellnummer / Αριθμός καταλόγου / Numero di catalogo / Katalognummer / Numero do catalogo / Numero de catalogo / Katalognummer



Temperature limitation / Temperaturbegrænsning / Temperaturlimiet / Lämpötilarajoitus / Température limite / Zulässiger Temperaturenbereich / Όριο θερμοκρασίας / Temperatura limite / Temperaturbegrænsning / Limitação da temperatura / Limitación de temperatura / Temperaturbegrænsning



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