

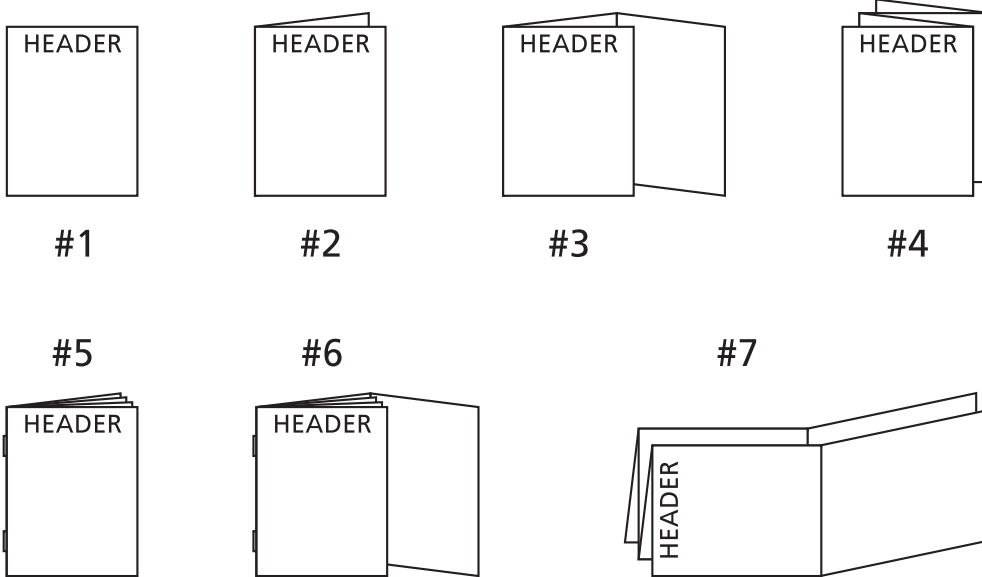
Revisions

SO 0046-2


Rev From	Rev To	ECO #	Date	Appr.
1299	1003	2227-03		

Notes:

- BD Cat. No. 233542,233541
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Part Number: S1460JAA		Category and Description Package Insert Difco Supplement VX	Sheet: 1 of 3 <hr/> Scale: 1:1	A


BD Difco™ Supplement VX
S1460JAA
2003/10**INTENDED USE**

Difco™ Supplement VX with Reconstituting Fluid VX is used for supplementing media to culture fastidious microorganisms, particularly *Neisseria gonorrhoeae* and *Haemophilus influenzae*.

SUMMARY AND EXPLANATION

Difco Supplement VX is a lyophilized concentrate. This supplement is recommended for enriching GC Agar media, Proteose No. 3 Agar and the selective agars for the isolation of pathogenic *Nisseria*.

PRINCIPLES OF THE PROCEDURE

The growth rate of *Neisseria* and *Haemophilus* is improved with the addition of 1% nutritive enrichment, providing the growth factors glutamine and cocarboxylase. Supplement VX is a defined lyophilized concentrate of essential growth factors; i.e., vitamins, amino acids, coenzymes, dextrose and other factors to improve the growth of *Haemophilus* and *Neisseria* species.

REAGENTS

Difco Supplement VX with Reconstituting Fluid VX

Approximate Formula* per liter

Adenine Sulfate	1.0 g
p-Aminobenzoic Acid	25.0 mg
Cocarboxylase	0.20 g
L-Cysteine HCl	25.9 g
L-Cystine	1.10 g
Nicotinamide Adenine Dinucleotide	0.35 g
Ferric Citrate	30.0 mg
L-Glutamine	20.0 g
Guanine HCl	30.0 mg
Thiamine HCl	6.0 mg
Vitamin B ₁₂ (Cyanocobalamine)	20.0 mg
Dextrose	100.0 g

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

Warnings and Precautions:

For Laboratory Use.

Storage Instructions: On receipt, store at 2 – 8°C in the dark. Avoid freezing and overheating. Do not open until ready to use. Minimize exposure to light. Allow the reagent to warm to room temperature before use.

Product Deterioration: Do not use if product shows evidence of microbial contamination, evaporation, or other signs of deterioration.

PROCEDURE

Material Provided: **Difco** Supplement VX

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

Test Procedure: Observe aseptic techniques.

1. Aseptically rehydrate Supplement VX with 10 mL or 100 mL of the Reconstituting Fluid.
2. Rotate the vial to dissolve completely.
3. Use rehydrated Supplement VX to prepare Chocolate Agar, Thayer-Martin Agar or other enrichment media.

For a complete discussion on the isolation and identification of *Neisseria* and *Haemophilus* species, consult the procedures outlined in the references.¹⁻³

User Quality Control

Add **Difco** Supplement VX to an appropriate dehydrated medium (e.g., GC Agar Base) prepared according to label directions. Test samples of the complete medium for performance using stable, typical control organisms.

RESULTS

Refer to appropriate references and procedures for results.

AVAILABILITY**Cat. No. Description**

233541 **Difco™** Supplement VX, Lyophilized, with Reconstituting Fluid, 6 x 10 mL

233542 **Difco™** Supplement VX, Lyophilized, with Reconstituting Fluid, 100 mL

REFERENCES

1. Isenberg (ed.). 1992. Clinical microbiology procedures handbook, vol. 1. American Society for Microbiology, Washington, D.C.
2. Murray, Baron, Pfaller, Tenover and Tenover (ed.). 1999. Manual of clinical microbiology, 7th ed. American Society for Microbiology, Washington, D.C.
3. Forbes, Sahm and Weissfeld. Baily & Scott's diagnostic microbiology, 10th ed. Mosby, Inc., St. Louis, Mo.



Use by / Anvendes før / Houdbaar tot / Viimeikäyttöpäivä / 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) /
 ÅÅÅÅ-MM-DD / ÅÅÅÅ-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) /
 ÅÅÅÅ-MM-DD / ÅÅÅÅ-MM (MM = slutten av måneden) /
 AAAA-MM-DD / AAAA-MM (MM = fim do mês) /
 aaaa-mm-dd / aaaa-mm (mm = fin del mes) /
 ÅÅÅÅ-MM-DD / ÅÅÅÅ-MM (MM = slutet på månaden)



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