

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 *Nesseria*.

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.

Danger



H301 Toxic if swallowed. **H314** Causes severe skin burns and eye damage.

P264 Wash thoroughly after handling. **P280** Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 "IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing." **P405** Store locked up. **P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

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.

Technical Information: In the United States, contact BD Technical Service and Support at 800-638-8663 or www.bd.com/ds.



Use by / Използвайте до / Spotføjebujte do / Brug før / Verwendbar bis / Χρήση έως / Usar antes de / Kasutada enne / Date de péremption / 사용 기한 / Upotrijebiti do / Felhasználhatóság dátuma / Usare entro / Дейин пайдаланура / Naudokite iki / Izlijetot līdz / Houdbaar tot / Brukes for / Stosować do / Prazo de validade / A se utiliza până la / Исползовать до / Použít do / Uпотребити до / Använd före / Son kullanna tarihi / Використати до/line / 使用截止日期

YYYY-MM-DD / YYYY-MM (MM = end of month)
ГГГГ-ММ-ДД / ГГГГ-ММ (ММ = края на месеца)
RRRR-MM-DD / RRRR-MM (MM = koniec miesiąca)
AAAA-MM-DD / AAAA-MM (MM = slutning af måned)
JJJJ-MM-TT / JJJJ-MM (MM = Monatsende)
EEEE-MM-HH / EEEE-MM (MM = τέλος του μήνα)
AAAA-MM-DD / AAAA-MM (MM = fin del mes)
AAAA-KK-PP / AAAA-KK (KK = kuu lõpp)
AAAA-MM-JJ / AAAA-MM (MM = fin du mois)
GGGG-MM-DD / GGGG-MM (MM = kraj mjeseca)
ÉÉÉÉ-HH-NN / ÉÉÉÉ-HH (HH = hónap utolsó napja)
AAAA-MM-GG / AAAA-MM (MM = fine mese)
ЖЖЖЖ-АА-КК / ЖЖЖЖ-АА / (АА = айдың соңы)
YYYY-MM-DD/YYYY-MM (MM = 월말)
MMMM-MM-DD / MMMM-MM (MM = mensesio pabaiga)
GGGG-MM-DD/GGGG-MM (MM = mēneša beigas)
JJJJ-MM-DD / JJJJ-MM (MM = einde maand)
AAAA-MM-DD / AAAA-MM (MM = sluttan av måneden)
RRRR-MM-DD / RRRR-MM (MM = koniec miesiąca)
AAAA-MM-DD / AAAA-MM (MM = fim do mês)
AAAA-LL-ZZ / AAAA-LL (LL = sfârșitul lunii)
ГГГГ-ММ-ДД / ГГГГ-ММ (ММ = конец месяца)
RRRR-MM-DD / RRRR-MM (MM = koniec miesiąca)
GGGG-MM-DD / GGGG-MM (MM = kraj meseca)
AAAA-MM-DD / AAAA-MM (MM = slutet av månaden)
YYYY-AA-GG / YYYY-AA (AA = ayın sonu)
PPPP-MM-DD / PPPP-MM (MM = кінець місяця)
YYYY-MM-DD / YYYY-MM (MM = 月末)



Catalog number / Каталоген номер / Katalogové číslo / Katalognummer / Αριθμός καταλόγου / Número de catálogo / Katalooginumber / Numéro catalogue / Kataloški broj / Katalógusszám / Numero di catalogo / Каталог номери / 카탈로그 번호 / Katalogo / numeris / Kataloga numurs / Catalogus nummer / Numer katalogowy / Număr de catalog / Номер по каталогу / Katalogové číslo / Kataloški broj / Katalog numarası / Номер за каталогом / 目录号



Temperature limitation / Температурни ограничения / Teplotní omezení / Temperaturbegrensning / Temperaturbegrenzung / Περιορισμοί θερμοκρασίας / Limitación de temperatura / Temperaturi piirang / Limites de température / Dozvoljena temperatura / Hőmérsékleti határ / Limiti di temperatura / Температураны шектеу / 온도 제한 / Laikymo temperatūra / Temperatūras ierobežojumi / Temperaturilimiet / Temperaturbegrensning / Ograniczenie temperatury / Limites de temperatura / Limite de temperatură / Ограничение температуры / Ograničenje teploty / Ograničenje temperature / Temperaturgräns / Sıcaklık sinirlaması / Обмеження температури / 温度限制



Batch Code (Lot) / Код на партидата / Kód (číslo) šarže / Batch-kode (lot) / Batch-Code (Charge) / Κωδικός партиδας (партида) / Código de lote (lote) / Partii kood / Numéro de lot / Lot (kod) / Tétel száma (Lot) / Codice batch (lotto) / Топтама коды / 배치 코드(로트) / Partijos numeris (LOT) / Partijas kods (laidiens) / Lot nummer / Batch-kode (parti) / Kod partii (seria) / Código do lote / Cod de serie (Lot) / Код партии (лот) / Kód série (šarža) / Kod serije / Partinummer (Lot) / Parti Kodu (Lot) / Код партии / 批号 (亚批)

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