

Effective date: 24/09/2026	Hy-Labs Cat. No: DD088 CAMPYLOBACTER B.F	MSDS FORMAT	
Doc. No: MSDS- DD088		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

1- Product and Company Identification	
Product Name	CAMPYLOBACTER B.F
Reference number	DD088
Identified uses	Selective culture medium (agar plates) for the isolation of Campylobacter species from clinical, food, or environmental samples. For In-Vitro Diagnostic (IVD) use only. Not for human or animal consumption.
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474
2- HAZARDS IDENTIFICATION	
GHS Classification (Regulation (EC) No 1272/2008 / GHS): The finished, prepared agar plate is not classified as a hazardous mixture under GHS/CLP - all antibiotic/antifungal raw material components are present at trace (mg/L) concentrations, well below the standard GHS concentration cut-offs for classification (see Section 3 for details). Label elements: No signal word, hazard pictogram, or hazard statement required for the finished product. Biological hazard: This medium is specifically designed to isolate and support the growth of Campylobacter species, a pathogenic bacterium. Once inoculated with a clinical or food sample, the plate must be treated as a biohazard and handled under appropriate biosafety containment (Biosafety Level 2 or per local requirements). Other hazards: The raw materials used in manufacture include several antibiotics/antifungals that are sensitizers or irritants in concentrate (vancomycin, cefoperazone, amphotericin B); the finished plate contains only trace residues of these.	
3- COMPOSITION/INFORMATION ON INGREDIENTS	
This product is a solid (agar) selective culture medium in plates, prepared from the following components: 1) Campylobacter Blood-Free Selective Agar Base (CCDA/Preston formulation) - Oxoid Catalogue No.: CM739 Description: Complex mixture (peptone, Lab-Lemco powder, casein hydrolysate, ferrous sulphate, sodium pyruvate, charcoal, sodium desoxycholate, agar) Concentration: 45.5 g/L Classification: Not classified as hazardous (GHS/CLP) 2) Vancomycin (Vancomycin Hydrochloride) - Sigma Catalogue No.: V2002 CAS No.: 1404-93-9 Classification (concentrate): Danger - Resp. Sens. 1 (H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled), Skin Sens. 1 (H317 - May cause an allergic skin reaction) Concentration: 6 mg/L (approx. 0.0006% w/v) Note: Final concentration is far below standard GHS generic concentration cut-offs (typically 1%) for sensitization classification of the mixture. 3) CCDA Selective Supplement - Oxoid Catalogue No.: SR0155H (freeze-dried vial, each vial for 2 L of medium) Composition: Lyophilized combination of two antimicrobials - Cefoperazone (antibacterial, third-generation cephalosporin; CAS No. 62893-19-0) and Amphotericin B (antifungal; CAS No. 1397-89-3) Classification (concentrate): Cefoperazone - Danger, Skin Sens. 1 / Resp. Sens. 1 (H317, H334); Amphotericin B - Warning, Skin Irrit. 2 / Eye Irrit. 2 / STOT SE 3 (H315, H319, H335) Added: 0.5 vial/L Final concentrations in agar (typical for this formulation): Cefoperazone approx. 32 mg/L (0.0032% w/v);	
Page 1 of 5	

Effective date: 24/09/2026	Hy-Labs Cat. No: DD088	MSDS FORMAT MATERIAL SAFETY DATA SHEET	 Replace Doc: NA
Doc. No: MSDS- DD088	CAMPYLOBACTER B.F		

Amphotericin B approx. 10 mg/L (0.001% w/v)

Note: Both final concentrations are far below standard GHS generic concentration cut-offs (typically 1% for sensitizers, 3-10% for skin/eye irritants) for classification of the mixture.

4) Water (purified/deionized) - solvent/diluent, balance to volume

4- First Aid Measures

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.

Skin contact: Wash with plenty of water and soap. If irritation, rash, or an allergic reaction develops (possible with vancomycin, cefoperazone, or other antibiotic exposure), seek medical attention.

Inhalation: Not an expected route of exposure for a solid agar medium. If aerosols are generated, move to fresh air and seek medical attention if symptoms occur. If dust from the dehydrated agar base is inhaled, or if allergy/asthma-like symptoms occur (possible in individuals sensitized to glycopeptide or cephalosporin antibiotics), remove to fresh air and seek medical advice.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical advice if discomfort occurs or a significant amount is swallowed.

Note to physician: Treat symptomatically. Individuals with known hypersensitivity/allergy to glycopeptide (vancomycin) or cephalosporin (cefoperazone) antibiotics should be identified, although exposure levels in this finished product are very low. If the plate has been inoculated with a clinical/food sample, also consider the risk of exposure to the target pathogen (Campylobacter) or other organisms present in the sample.

For exposure to inoculated material, follow the laboratory biological-exposure procedure.

5- Fire Fighting Measures

The finished, prepared product is a solid agar medium and is not flammable or readily combustible under normal conditions. Thermal decomposition of organic components and packaging may generate irritating fumes.

Suitable extinguishing media: Use extinguishing media appropriate to the surrounding fire (water spray/fog, CO2, dry chemical, foam).

Unsuitable extinguishing media: None known.

Specific hazards: None known for the finished product.

Special protective equipment for firefighters: Use self-contained breathing apparatus and full protective equipment for fires involving surrounding materials.

6- Accidental Release Measures

Personal precautions: Ensure adequate ventilation. Avoid contact with eyes, skin, and mucous membranes. Wear standard laboratory PPE (gloves, lab coat, eye protection). If the plate has been inoculated, treat as a biohazard.

Environmental precautions: Prevent spilled/broken plate material from entering drains, waterways, or soil.

Methods for containment and cleanup: Wearing appropriate PPE, collect broken plates/spilled agar using a scoop or absorbent material; avoid generating aerosols/dust. Disinfect the affected surface with a suitable disinfectant, then rinse with water. Dispose of waste as described in Section 13.

7- Handling and Storage

Handling: Handle using standard microbiological/good laboratory practice, at Biosafety Level 2 or as required by local regulations when working with clinical/food samples suspected of containing Campylobacter. Avoid contact with eyes, skin, and mucous membranes. Do not ingest. Wash hands after handling.

Storage: Store prepared plates tightly sealed/bagged, inverted, protected from light, as indicated on the product label/certificate of analysis. Typically stored refrigerated (2-8°C) until the labeled expiry date; avoid freezing. Do not use if the medium shows signs of contamination or drying inconsistent with expected appearance.

Effective date: 24/09/2026	Hy-Labs Cat. No: DD088	MSDS FORMAT MATERIAL SAFETY DATA SHEET	 Replace Doc: NA
Doc. No: MSDS- DD088	CAMPYLOBACTER B.F		

8- Exposure Controls, Personal Protection

Occupational exposure limits: No specific occupational exposure limits (OEL/TLV) have been established for this finished product. Individuals with known hypersensitivity to glycopeptide (vancomycin) or cephalosporin/beta-lactam (cefoperazone) antibiotics should exercise particular caution.

Engineering controls: Handle in a well-ventilated area. Use of a biological safety cabinet (Class II) is strongly recommended when inoculating plates with clinical/food samples or handling suspected Campylobacter cultures, per your laboratory's risk assessment.

Personal protective equipment:

Eye protection: Safety glasses recommended.

Skin protection: Laboratory coat and disposable gloves recommended.

Respiratory protection: Not normally required for handling sealed/solid media under normal conditions of use; use appropriate controls if aerosols may be generated. avoid inhaling dust from broken plates.

9- Physical and Chemical Properties

Appearance: Solid agar medium in plates; dark grey/black color (due to charcoal content)

Odor: Faint characteristic odor

pH: Approx. 7.4 ± 0.2 (typical for this medium)

Melting/Softening point: Agar gel liquefies on heating to approx. 85-95°C; sets/gels below approx. 40°C

Flammability: Not flammable (solid, aqueous gel)

Solubility: Water-based agar medium (solid gel matrix)

Flash point: Not applicable

Flammability: Not expected to be flammable

Explosive/oxidizing properties: Not expected

10- Stability and Reactivity

Chemical stability: Stable under normal conditions of storage (refrigerated, protected from light) until the labeled expiry date. Antibiotic/antifungal potency (vancomycin, cefoperazone, amphotericin B) may gradually decline with prolonged storage or light exposure.

Possibility of hazardous reactions: None known under normal use.

Conditions to avoid: Freezing, excessive heat, dehydration, prolonged light exposure, and microbial contamination during storage.

Incompatible materials: Strong oxidizing agents, strong acids/bases (relevant to raw material handling; not applicable to the finished, prepared medium under normal use).

Hazardous decomposition products: Hazardous polymerization is not expected. Thermal decomposition may generate carbon oxides, nitrogen oxides and other irritating products.

11- Toxicological Information

Acute toxicity: The finished product is a low-hazard laboratory culture medium; all antimicrobial components are present at trace (mg/L) concentrations, well below levels of acute toxicological concern.

Vancomycin (raw material, concentrate): Respiratory and skin sensitizer; may cause allergic reactions, including asthma-like symptoms, in sensitized individuals.

Cefoperazone (raw material, concentrate): Skin and respiratory sensitizer, similar in nature to other beta-lactam/cephalosporin antibiotics; individuals with known penicillin/cephalosporin allergy may be at increased risk of cross-reactivity.

Amphotericin B (raw material, concentrate): Skin and eye irritant; may cause respiratory irritation.

Skin/eye irritation, sensitization (finished product): Not expected to be significantly irritating or sensitizing at the trace concentrations present in the finished agar under normal use; individuals with known antibiotic allergies should nonetheless exercise caution.

Biological hazard: As this medium is intended to isolate Campylobacter (a recognized human enteric pathogen), any inoculated plate should be regarded as a potential source of infection and handled accordingly.

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Doc. No: MSDS- DD088	CAMPYLOBACTER B.F	MATERIAL SAFETY DATA SHEET	Replace Doc: NA

12- Ecological Information

Ecotoxicity: The finished product contains trace concentrations of antimicrobial agents (vancomycin, cefoperazone, amphotericin B); avoid unnecessary release to the environment.

Persistence and degradability: The agar/peptone base is expected to be biodegradable; data on the environmental fate of trace antibiotic residues in used media is limited.

Bioaccumulative potential: Not expected to bioaccumulate at the concentrations present.

Other adverse effects: Dispose of used/inoculated media appropriately (see Section 13) to avoid release of antibiotic residues or cultured pathogenic microorganisms into the environment. Dispose of microbiological waste according to applicable regulations.

13- Disposal Information

This product is specifically intended to culture Campylobacter, a pathogenic organism; once inoculated, plates must be treated as biohazardous (biological) waste and handled accordingly.

Autoclave (or otherwise appropriately disinfect/inactivate) used/inoculated plates prior to disposal, in accordance with your institution's biosafety procedures and applicable local, national, and international regulations. Do not discharge antibiotic-containing waste directly to drains.

Unused/unopened product may be disposed of as general laboratory waste in accordance with local regulations, unless local rules require antibiotic-containing waste to be handled separately.

Dispose of contents/container in accordance with applicable local, national, and international regulations.

Inoculated plates must be treated as potentially infectious biological waste and decontaminated by an approved validated method, such as autoclaving, before final disposal where required.

14- Transport Information

Not classified as a dangerous good for transport by road (ADR), rail (RID), sea (IMDG), or air (IATA/ICAO) when unused and unopened.

UN Number: Not applicable

UN Proper Shipping Name: Not applicable

Transport Hazard Class(es): Not applicable

Packing Group: Not applicable

Environmental hazards: No

Special precautions: If shipping inoculated plates containing confirmed or suspected Campylobacter (or other pathogens), applicable biological/infectious substance transport regulations (e.g., UN3373 Biological Substance, Category B, or UN2814 for Category A pathogens, as applicable) must be assessed and followed based on the specific organism(s) present.

15- Regulatory Information

The finished product is not classified as hazardous under Regulation (EC) No 1272/2008 (CLP) / GHS; all antibiotic/antifungal raw materials are present below standard mixture-classification concentration cut-offs.

Raw material hazard classifications (concentrate): Vancomycin - Resp. Sens. 1 (H334), Skin Sens. 1 (H317); Cefoperazone - Skin Sens. 1 / Resp. Sens. 1 (H317, H334); Amphotericin B - Skin Irrit. 2 / Eye Irrit. 2 / STOT SE 3 (H315, H319, H335) (classifications may vary slightly by supplier).

As this medium is intended for the isolation of Campylobacter, a notifiable/reportable pathogen in many jurisdictions, users should ensure compliance with applicable local biosafety, biosecurity, and public health notification requirements in addition to this chemical safety data sheet.

For In-Vitro Diagnostic (IVD)/laboratory use only - ensure compliance with applicable local IVD and biosafety regulatory requirements.

Users are responsible for determining any additional applicable regulations for their jurisdiction and intended use.

This SDS is prepared for the finished microbiological culture medium based on the supplied formulation and manufacturer information available for the named raw materials.

Effective date: 24/09/2026	Hy-Labs Cat. No: DD088	<u>MSDS FORMAT</u>	
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Applicable GHS/CLP and local occupational, environmental, waste, and biological-safety requirements should be observed.

16- Other Information

For In-Vitro use only.

Disclaimer

The information contained in this Safety Data Sheet is believed to be accurate based on the current knowledge of the product and its components. It is intended solely as guidance for the safe handling, storage, use, transport, and disposal of the product and should not be considered a warranty or quality specification. Users are responsible for ensuring compliance with applicable local, national, and international regulations.