

# Viral Transport Medium Kit

Catalog Number A48498

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**WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [thermofisher.com/support](https://www.thermofisher.com/support).

## Product description

The Viral Transport Medium Kit is used to produce Viral Transport Medium (VTM) for the transport of specimens suspected to contain virus.

## Contents and storage

| Product                                                                             | Cat. No. | Amount     | Storage       | Shelf-life |
|-------------------------------------------------------------------------------------|----------|------------|---------------|------------|
| Viral Transport Medium Kit                                                          | A48498   | 1 Kit      | —             | —          |
| Hanks Balanced Salt Solution (HBSS), with calcium and magnesium, without phenol red | 14025076 | 50 x 1 L   | 15 to 30°C    | 24 months  |
| Heat-inactivated fetal bovine serum (HI FBS)                                        | 16140089 | 1,000 mL   | -20°C to -5°C | 60 months  |
| Gentamicin sulfate (50 mg/mL)                                                       | 15750078 | 10 x 10 mL | 15°C to 30°C  | 24 months  |
| Amphotericin B (250 µg/mL)                                                          | 15290026 | 2 x 50 mL  | -20°C to -5°C | 12 months  |

## Important guidelines

HBSS, HI FBS, Gentamicin, and Amphotericin B are sterile solutions. Production of Viral Transport Medium should be completed using aseptic techniques to maintain sterility. As an alternative, complete Viral Transport Medium can be sterile filtered using a Nalgene™ Rapid-Flow™ Sterile Disposable Filter, 0.2 µm PES membrane (Cat. No. 567-0020).

## Prepare complete Viral Transport Medium

1. Disinfect work surface and all reagent bottles with disinfectant, e.g. 70% ethanol.
2. Remove plastic seals and loosen lids on all reagent bottles.
3. Remove 24 mL of HBSS and discard.
4. Add 20 mL of HI FBS to the bottle of HBSS.
5. Add 2 mL of Gentamicin sulfate solution to the bottle of HBSS.
6. Add 2 mL of Amphotericin B solution to the bottle of HBSS.
7. Cap the HBSS bottle securely and mix by gently and repeatedly inverting the bottle.
8. Label the bottle with the date, additives, and expiration date.

Viral Transport Medium will contain 2% FBS, 100 µg/mL Gentamicin, and 0.5 µg/mL Amphotericin B if the above instructions have been followed. Viral Transport Medium expires 1 year after date of manufacture.

Viral Transport Medium is usually dispensed the same day or shortly after preparation. Viral Transport Medium should be stored at 2-8°C until it is dispensed.

9. Aliquot 3 mL of Viral Transport Medium into individual Nunc™ 15 mL Conical Sterile Polypropylene Centrifuge Tubes (Cat. No. 339651).
10. Cap lids tightly after medium is dispensed.

Label each tube with the following information:

- Viral Transport Medium
- For transport of specimens only
- Not to be taken internally
- Store at 2-8°C. DO NOT FREEZE
- Ingredients: Hanks balanced salt solution, fetal bovine serum, gentamicin, amphotericin B
- Expires: [1 year after the manufacture date]

Store all tubes and any remaining medium in the bottle at 2-8°C.

As a quality control check, confirm product sterility.

## Related products

| Product                                                             | Cat. No. |
|---------------------------------------------------------------------|----------|
| Nunc™ 15 mL Conical Sterile Polypropylene Centrifuge Tubes          | 339651   |
| Nunc™ Serological Pipettes, 50 mL, individually wrapped             | 170358N  |
| Nunc™ Serological Pipettes, 25 mL, individually wrapped             | 170357N  |
| Nunc™ Serological Pipettes, 5 mL, individually wrapped              | 170355N  |
| Nalgene™ Rapid-Flow™ Sterile Disposable Filter, 0.2 µm PES membrane | 567-0020 |

## Limited product warranty

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For descriptions of symbols on product labels or product documents, go to [thermofisher.com/symbols-definition](http://thermofisher.com/symbols-definition).

The information in this guide is subject to change without notice.

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