



Viral Haemorrhagic Fever:
Marburg Virus Disease Health
Emergency Supply Note

UNICEF Supply Division

August 2021

Viral Haemorrhagic Fever - Marburg Virus Disease: Health Emergency Supply Note August 2021

1. Summary

UNICEF provides an updated list of available supplies for the emergency response to any outbreak of Marburg virus disease (MVD).¹ It includes supplies for infection prevention and control (IPC) including personal protective equipment (PPE) for standard and contact precautions against viral haemorrhagic disease; medical clothing and specific disinfectants; temperature monitoring devices; and waste management. It also makes provisions for medical and supportive care for suspected or confirmed individuals.

Early detection, isolation, and case management are currently the most effective interventions. UNICEF provides details on how UNICEF country offices, governments, and partners can procure emergency supplies through UNICEF.

2. Background

The recent outbreaks of life-threatening infections and re-emerging infectious diseases highlight the need for prevention, preparedness, as well as effective emergency response and infection control, notably in public health care facilities for frontline workers,² and patients. They highlight the need for global preparedness to ensure an efficient and effective rapid response to health emergencies. Any rapid response to an acute public health emergency requires an initial risk assessment to ensure defensible decision-making, including the implementation of appropriate control measures. A systematic approach to a public health risk assessment can provide the basis to prioritise actions to alleviate the consequences on affected populations.

UNICEF identified several diseases, including MVD, for which it is making organizational preparations and support packages. They include disease-specific technical guidance documents, pre-positioned stock, and supply requirements. This note summarizes the current supplies available at UNICEF for MVD preparedness and response, which include viral haemorrhagic fever specific supplies in addition to other supplementary supplies to support co-circulating diseases if needed.

3. Supply

UNICEF lists the necessary supplies that are available for procurement and use in the event of an MVD outbreak (Table 1). It includes essential available supplies for the use in prevention, control, and the case management of MVD suspected or confirmed patients.

Table 1 Marburg specific Supply List – Continued Overleaf

Intervention	Area	Item Description	Material Number	Unit
Case Management	Supportive treatment and devices	Paracetamol, 100mg, disp. tabs/PAC-100	S1555979	Pack
		Paracetamol, 500mg, tabs/PAC-100	S1555964	Pack
		Thermometer, clinical, IR, non-contact	S0481057	Each
Prevention and Control	IPC and PPE	Faceshield, fog-resistant, full face, disp.	S0305116	Each
		Goggles, protective, indirect side-ventil.	S0305144	Each
		Mask, high-fil, FFP2/N95/KN95, no valve	S0305153	Each
		Mask, high-fil, FFP2/N95/KN95, no valve/PAC-50	S0305156	Box
		Mask, surgical, type IIR, ties trap, disp./PAC-50	S0305135	Pack
		Cap, surgical, bouffant, non-woven	S0305078	Each
		Hood, protection, Cat III	S0305124	Each
		Apron, protect, plastic, disp./PAC-100	S0305131	pack

¹ World Health Organization, [Marburg Virus Disease Key Facts](#), WHO, Geneva, 7 August 2021.

² Frontline workers: Burial teams, healthcare workers, water and sanitation officers, cleaners, amongst many others...

Prevention and Control cont.	IPC and PPE cont.	Apron, protect, plastic, reusable	S0305132	Each
		Coverall, protection, Cat III, type 3b, XL	S0305102	Each
		Coverall, protection, Cat III, type 3b, L	S0305103	Each
		Coverall, protection, Cat III, type 3b, M	S0305101	Each
		Gloves, heavy-duty, rubber/nitrile, pair, L	S0327552	Pair
		Gloves, heavy-duty, rubber/nitrile, pair, M	S0327551	Pair
		Gloves, heavy-duty, rubber/nitrile, pair, S	S0327550	Pair
		Gloves, w/o powder, nitrile, L, disp./BOX-100	S0969026	Box
		Gloves, w/o powder, nitrile, M, disp./BOX-100	S0969025	Box
		Gown, surgical, nonsterile, nonwoven, disp, L	S0305138	Each
		Gown, surgical, nonsterile, nonwoven, disp, XL	S0305140	Each
		Boots, rubber/PVC, reusable, pair, size 42	S0305061	Pair
		Boots, rubber/PVC, reusable, pair, size 43	S0305062	Pair
		Boots, rubber/PVC, reusable, pair, size 44	S0305063	Pair
		Boot cover, antiskid, elasticated, pair	S0305147	Pair
		Body bag, infection control, adult	S0990002	Each
		Body bag, infection control, child	S0990003	Each
		Bag, biohazard, red, 100l/BOX-100	S0969007	Box
		Trousers, surgical, woven, size L	S0305081	Each
		Trousers, surgical, woven, size M	S0305080	Each
		Trousers, surgical, woven, size XL	S0305082	Each
		Tunic, surgical, woven, size L	S0305084	Each
		Tunic, surgical, woven, size M	S0305083	Each
		Tunic, surgical, woven, size XL	S0305085	Each
		**Hand sanitizer, alcohol >60%, 75-100ml	S0006558	Each
		Swabs, alcohol, for lab disinfection/BOX-100	S0000540	Box
		Safety box f. used syringes/ndls, 5l/BOX-25	S0782208	Box
		**Calcium hypochlorite 65-70%	S0000569	Box
		**NaDCC, chlorine granules 56%, 1/2kg	S5006055	Each
		Sprayer, trigger bottle, handheld, 1l	S5006029	Each
		Sprayer, compression type, 11.35l	S5006027	Each
		Tap for plastic bucket, plastic	S5006030	Each
**Water purification, (NaDCC), 33mg tabs/PAC-50	S1588355	Pack		

Note **: Classed as dangerous goods, **local procurement recommended**

In the case of secondary concurrent issues, the list below (Table 2) focuses on products necessary for malaria that may be needed during the support being under an MVD outbreak response, in addition to other operational or programmatic equipment for use to establish temporary structures.

Table 2 Other Supplementary Supply List

Intervention	Area	Item Description	Material Number	Unit
Concurrent needs	Malaria treatment / other	Artemeth. 20mg+Lumefan. 120mg, disp. tabs/12/PAC-30	S1300075	Pack
		Artemeth. 20mg+Lumefan. 120mg, disp. tabs/6/PAC-30	S1300074	Pack
		Artemeth. 20mg+Lumefan. 120mg, tabs/18/PAC-30	S1300062	Pack
		Artemeth. 20mg+Lumefan. 120mg, tabs/24/PAC-30	S1300063	Pack
		Cefixime powder for suspension, 100mg/5ml/BOT-50ml	S1504003	Bottle
		Cefixime, 200mg, tabs/PAC-56	S1531002	Pack
		Omeprazole 20mg capsules (e/c) PAC/10x10	S1504008	Pack
		ORS low osm., 20.5g/1l/CAR-10x100	S1561121	Pack
		Zinc, 20mg, tabs/PAC-100	S1580020	Pack
	Operational and programmatic Supplies	Bed screen, hospital, on castors	S0101015	Each
		Tarpaulin, plastic FR sheet, 4 x 5m	S5086014	Each
		High performance tent, 24 m ²	S5088024	Each
		High performance tent 48 m ²	S5088048	Each

Concurrent needs cont.	Operational and programmatic Supplies cont.	High performance tent 72 m ²	S5088072	Each
		Tent, light weight, rectangular, 42m ²	S5088015	Each
		Tent, light weight, rectangular, 72m ²	S5088020	Each
		**Generator set, diesel, air cooled, 5kVA	S0005406	Each
	Malaria bednet	LLIN, 75-100d, w/b/g, 190x180x150cm LxWxH	S0000548	Each

Source: UNICEF Supply Division

Note **: Classed as dangerous goods, local procurement recommended

4. Other Key Considerations

In addition to the items listed in Table 1 that address disease specific supplies, and Table 2 that includes other supplementary supplies that may be needed to support the response to viral haemorrhagic fever, Table 3 below includes a number of additional useful considerations. It includes information on the interagency emergency health kit (IEHK), and documents related to additional resources and guidance. The IEHK is a standardized kit of essential medicines, supplies, and equipment designed to meet the basic health care needs of 10,000 persons for three months in large-scale emergencies.³ The kit is designed for use in emergency settings, where medical supplies may have been disrupted, as it can fill the needs until the medical supply chain is restored. Although the kit is not specifically designed for MVD outbreak response, it can be used for palliative care to address symptomatic relief where there is a disruption to basic medical supplies. The IEHK complete kit includes one basic unit and six supplementary units, ordered together or individually (see [section 5. How to Procure Emergency Supplies through UNICEF](#)). Read more here: [Interagency Emergency Health Kits: information note | UNICEF Supply Division](#)

Table 3 UNICEF Other Key Considerations

Category	Description
Interagency Emergency Health Kit	<p>IEHK – Basic Unit: Material Number: S9901024</p> <p>The basic unit contains essential medicines and medical devices (consumables and equipment) for a population of 1,000 persons for a period of three (3) months during emergency situations. The basic unit contains essential medicines (none of which can be injected) and medical devices (consumables and equipment essentially for dressing purposes). It can be used by healthcare workers with limited training.</p>
	<p>IEHK – Supplementary Unit 1 - Medicines: Material Number: S9901026</p> <p>The supplementary unit 1 - medicines contains essential medicines for a population of 10,000 persons for a period of three (3) months. The selection and quantification of the medicines included are based on recommendations for treatments for target diseases. Reference is made to "MSF Essential Drugs - Practical Guidelines" and "MSF Clinical, Diagnostic and Treatment guidelines". This kit must only be used by physicians and other professional health workers.</p>
	<p>IEHK – Supplementary Unit 1a - Medicines: Material Number: S9901027</p> <p>The supplementary unit 1a - medicines contains medicines that normally need import authorizations (<i>narcotic / psychotropic substances</i>). Since this kit is usually urgently required and needs to be shipped within 24 hours, it does not allow time to apply for import and export authorizations. Therefore, until further notice, UNICEF Supply Division will not require import authorizations for this kit. However, country offices ordering or receiving this kit are advised to investigate if their national authorities require an import authorization. For these shipments, UNICEF Supply Division will complete the "Notation Form for Emergency Supplies of Controlled Substances" and forward it to the DMA (Danish Medicines Agency). Please refer to Supply Directive CF/SD/2008/002 Rev 01 - ordering of narcotic and/or psychotropic pharmaceutical products. The IEHK supplementary 1a-medicines also contains medicines that need to be stored at controlled temperatures (cold chain 2° to 8°C). This kit is therefore only supplied via air shipment. This kit must only be used by physicians and other professional health workers.</p>
	<p>IEHK – Supplementary Unit 1b - Malaria: Material Number: S9901028</p> <p>The supplementary unit 1b - malaria contains injectable anti-malarial medicines Quinine injection IV/IM 300mg/ml 2ml amp and Artesunate powder injection 60mg vial. The kit must only be used by physicians and other professional health workers. Temperature control temperature should not exceed 25°C.</p>
	<p>IEHK – Supplementary Unit 2 - Equipment: Material Number: S9901029</p> <p>The supplementary unit 2 - equipment contains essential medical equipment (e.g. basic diagnostic and sterilisation equipment, medical utensils, and minor surgical instruments sets). It also includes items to allow for the provision of clean water. This kit must only be used by physicians and other professional health workers.</p>
	<p>IEHK – Supplementary Unit 3 - Renewable: Material Number: S9901030</p> <p>The supplementary unit 3 - renewable contains essential consumable medical devices. Most of the items are single use and sterile. This kit must only be used by physicians and other professional health workers.</p>

³ UNICEF, [Interagency Emergency Health Kits Information Note](#), UNICEF, December, 2019.

WHO Marburg Virus Disease	WHO Marburg Virus Disease – resources
	WHO provides detailed resources related to the on Marburg virus disease, which includes technical guidance, e-learning and trainings, factsheets on Marburg virus disease, as well as the latest data, numbers, and situation reports. https://www.who.int/health-topics/marburg-virus-disease/#tab=tab_1 WHO has designed Disease Commodity Packages (DCPs), which are a series of disease specific datasheets that list the critical products and technical specifications for each product per disease and includes MVD. https://www.who.int/publications/m/item/marburg-virus-disease
Prevention IPC and PPE	CDC - Personal Protective Equipment (PPE)
	The US Center for Disease Control and Prevention (CDC) provides information resources. https://www.cdc.gov/vhf/marburg/index.html Viral Haemorrhagic Fever PPEs – UNICEF Product Technical Specifications UNICEF provides a detailed update and list of viral haemorrhagic fever PPE technical specifications for use in high- and low-risk settings. The equipment extends biological protection barriers to prevent percutaneous and mucocutaneous exposure, and it includes barriers for full body protection, as well as the head, nose, mouth, eyes, hands, and feet. In selecting the right PPE specifications for frontline workers, the degree of contact with infectious material, and the potential for infected fluid penetration should be considered, available here: ⁴ https://www.unicef.org/supply/documents/viral-haemorrhagic-fevers-personal-protective-equipment-specifications-note

5. How to Procure Emergency Supplies through UNICEF

UNICEF provides details on how UNICEF country offices, governments, external partners and other United Nation (UN) aid agencies can procure emergency supplies through UNICEF. Please contact UNICEF Supply Division (SD) should any clarifications be sought for more guidance on how to procure.

5.1. UNICEF Country Office Orders

In the event of an emergency, UNICEF country offices can access all UNICEF health emergency supplies listed above by raising an emergency UNICEF Sales Order (SO) through UNICEF's internal virtual integrated system of information (VISION), which manages all transactions.

UNICEF country offices raise and authorize a SO in VISION with an "Order Reason" that states emergency. UNICEF country offices can identify commodities above, or online via [UNICEF's Supply Catalogue](#), or UNICEF's intranet [Emergency Supply List \(ESL\)](#). UNICEF SD's Emergency Coordinator (email: danemergency@unicef.org) receives the order in VISION. The Emergency Coordinator reviews and considers the order for approval.

Once approved in VISION, the order is automatically directed to the relevant procurement centres in UNICEF SD. Procurement centres initiate procurement and raise Purchase Orders (PO) for the requested supplies from UNICEF's warehouse in Copenhagen, or directly from suppliers located across the globe. UNICEF staff can access further detailed information via the intranet on:

- [Supply Manual: Chapter 10: Emergencies: Section 03: Emergency response](#)
- [Emergency Supply Procurement Procedure and How to order](#)
- [Sales order process](#)
- [Emergency Resources and Tools](#)

5.2. Orders from Government, External Partners, and Other UN Agencies

Partners (Governments, NGOs, other UN agencies) can access MVD health emergency supplies through UNICEF Procurement Services (PS). This mechanism may be more suited for the procurement of supplies for disaster preparedness activities rather than for emergency response given the required process. UNICEF encourages partners in country to consult supply staff in UNICEF country offices. Partners can also access detailed information at:

- For governments and partners:
<https://www.unicef.org/supply/governments-and-partners>
- Procurement services resources and guidelines:
<https://www.unicef.org/supply/procurement-services-resources-and-guidelines>

⁴ UNICEF, [Viral Haemorrhagic Fevers Personal Protective Equipment Specifications Note](#), UNICEF, Copenhagen. August 2021.

For further questions or additional information, please contact:

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UNICEF issues health emergency preparedness initiative (HEPI) supply notes to provide disease specific background information, lists of supplies and information on how to access products and supplies that are essential for the needs of children supplies for UNICEF Country Offices, governments and partners. Other UNICEF information notes are found at <https://www.unicef.org/supply/emergency-supplies>