

WHO Collection, Testing and Transfusion kit 2021 (CTT kit 2021)

INFORMATION NOTE



SCOPE OF CTT KIT 2021

The CTT kit 2021 is a complete new kit. It intends to provide supply and equipment to collect, test and transfuse 50 blood bags. This kit contains all the necessary equipment for collecting, sampling, testing and transfusing blood.

The quantities are calculated for 50 collections and transfusions.

Please note that related information resources and training materials are available in the included USB thumb drive in box#1 of each module.

STRUCTURE AND CONTENT OF THE CTT KITS 2020

The CTT kit is divided in 4 modules as below

	KMEDCTTK5UC--A1	CHOLERA KITS 2020 KIT, COLLECTION & TESTING & TRANSFUSION KIT (CTTK 2021), for 50 units of blood
MODULE 1	KMEDCTTK5UM1--A1	(CTT kit-2021) MODULE 1 COLD CHAIN
MODULE 2	KMEDCTTK5UM2--A1	(CTT kit-2021) MODULE 2 TESTING
MODULE 3	KMEDCTTK5UM3--A1	(CTT kit-2021) MODULE 3 COLLECTION & TRANSFUSION
MODULE 3A	KMEDCTTK5UM3AA1	(CTT 2021) SUB MODULE 3A, COLLECTION
MODULE 3B	KMEDCTTK5UM3BA1	(CTT 2021) SUB MODULE 3B, TRANSFUSION
MODULE 4	KMEDCTTK5UM4--A1	(CTT kit-2021) MODULE 4 EQUIPMENT

Module 1 – Cold chain

Contains blood grouping tests.

As for all cold chain shipments you will find one data logger and one freeze tag.

KMEDCTTK5UM1-A1 (CTT kit -2021) MODULE 1 COLD CHAIN	
Data recording temperature between 2-8C	OK
Excursion above 10C	Problem
Excursion below 0C	Confirm with freeze tag
Freeze tag alarm (X)	Problem



Module 2 – Testing

Contains RDTs to test for Malaria, Hepatitis B and C, HIV, and syphilis. As well as pregnancy tests. Note that for HIV and syphilis, the RDT supplied is a Combo/duo test (HIV/Syphilis -WHO PQed).

Module 3 – Collection & Transfusion supply

This module is divided into 2 sub modules: module 3a for collecting blood and module 3b for transfusing blood.

Single blood bags 250ml, 350ml and 450ml

Product Brand: Compoflex

Product Model: Compoflex 1F 49ml, CPDA-1, PDS-V, Product Code:T111130

Manufacturer: Fresenius Kabi

Triple blood bags CPD , SAG-M, PDS-V,450ml

Product Brand: Compoflex

Product Model: Compoflex 3F 63ml CPD/100 ml SAG-PDS-V, Product Code:T331150

Manufacturer: Fresenius Kabi

The two submodules also contain small supply such as gloves, gauze, safety boxes. This small supply is available in each submodule. Therefore, a submodule is completely independent and could be requested alone.



Note that the e-WHO catalogue (<https://intranet.who.int/tools/wcat/QuickSearch.aspx>) contains all the blood bags from the CTT kit2020 (the Fresenius Kabi blood bags) but also the same blood bags capacity from the brand Terumo BCT.

Module 4 – Equipment

This module contains equipment such as a mechanical multifunction tool (Terumo®) for sealing, striping, cutting and dripping blood bag tubing, a spring balance, a ceramic spot plates, an Hemocue® analyzer, ect. This module is to be ordered once per location.



Note that there will be additional related equipment available in the e-WHO catalogue (<https://intranet.who.int/tools/wcat/QuickSearch.aspx>):

- Blood collector monitor equipment which collects, monitors and mixes the blood with anti-coagulant in the blood bag (Fresenius®)
- Blood bag tube -Thermosealer (Fresenius®)



HOW TO ORDER THE CTT KIT 2021

- Each module and submodule is a standalone that can be ordered individually. It is therefore possible to order several modules or submodules in different quantities.
- Equipment can be reused. Therefore, please consider ordering less equipment modules than reagents or supplies modules, especially for repetitive orders.

USEFUL RESOURCES AND WHO GUIDELINES

- Safe blood and blood products: distance learning materials:
 - [Guidelines and Principles for Safe Blood Transfusion Practice: Introductory Module](#)
 - [Module 1: Safe Blood Donation](#)
 - [Module 2: Screening for HIV and Other Infectious Agents](#)
 - [Module 3: Blood Group Serology](#)
- Clinical use of blood in Medicine Obstetrics Paediatrics Surgery & Anaesthesia Trauma & Burns (Training modules) https://www.who.int/bloodsafety/clinical_use/en/Manual_EN.pdf?ua=1
- Clinical use of blood in Medicine Obstetrics Paediatrics Surgery & Anaesthesia Trauma & Burns (Handbook) https://www.who.int/bloodsafety/clinical_use/en/Handbook_EN.pdf?ua=1
- Safe blood and blood products: manual on the management, maintenance and use of blood cold chain equipment <https://apps.who.int/iris/handle/10665/43359>
- Screening donated blood for transfusion-transmissible infections: recommendations <https://apps.who.int/iris/handle/10665/44202>