WHO NEW SAMPLE COLLECTION KIT 2022
TECHNICAL NOTE

SCOPE OF SAMPLE COLLECTION KIT 2022
This kit contains the necessary supply for the collection and transport of biomedical samples (Blood, CSF, stool, urine, skin and respiratory samples).

STRUCTURE AND CONTENT OF SAMPLE COLLECTION KIT 2022
The Sample Collection Kit 2021 contains 8 modules, as followed:

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Module 1 – Miscellaneous
It contains some small laboratory supply and stationary which are useful to any fluids sampling procedures such as biohazard bags, sharp collector box, surface disinfectant, gloves, book note and pen.

Module 2 – Blood sample collection
It contains some all the necessary supplies to perform 25 blood draws. It contains two types of tubes EDTA (purple) and Serum (red) and small equipment to make the blood draw.

Module 3 – CSF (Meningitis), 100 lumbar punctures
It contains all the necessary supplies to perform about 100 spinal taps (lumbar punctures). That procedure needs to be handled by trained health care professional preferably in hospital settings. This module is also called “meningitis kit” as it is used for the diagnosis/confirmation of meningitis during outbreaks.
Module 4 – Respiratory sample, tuberculosis
It contains 3 different sets (4.1, 4.2 and 4.3) corresponding to the different methods of obtaining clinical samples from children for rapid molecular testing: gastric aspiration, nasopharyngeal aspiration (NPA) and induced sputum. Note that those procedures are considered aerosol-generating procedures therefore should be performed in a well ventilated room, personnel should wear appropriate protection (FPP2 masks), glasses and gloves.

Procedures need to be handled by trained health care professional preferably in hospital settings. Each set contains small supply to perform about 20 procedures.

Note that the kit does NOT contain equipment such as suction pump, oxygen concentrator, nebulizer and respective spare parts. Devices and spare parts will need to be ordered separately on the WHO catalogue.

4.1 SET, RESP. SPUTUM INDUCTION, 0-14 years
Sputum induction can be done in people of any age who are unable to produce sputum spontaneously. This method should be handled by specialised professional with adequate equipment and should not be done if the child suffer from respiratory distress (SO2 less than 92%). Note that this procedures is considered of high risk to generate aerosol and therefore health personal should be appropriately equipment and the room well ventilated.


4.2 SET, RESP. NASOPHARYNGEAL ASP., 0-14 years
Nasopharyngeal aspirate is a method that is suitable to peripheral health care setting than can be performed in outpatient setting. Follow the procedure as described in WHO operational handbook on tuberculosis (2022) Annex 4. Standard operating procedures for sample collection methods Operational handbook annex 4. p220

4.3 SET, RESP. GASTRIC ASPIRATION (NPA), 0-14 years
Gastric aspirates are used for collection of samples for diagnostic testing when sputum cannot be spontaneously expectorated. This procedure requires the child to fast for more than 4 hours before its performance. Appointments for the gastric aspiration should be scheduled early in the morning so that the child can undergo the procedure after overnight fasting.


Module 5 - Stool sample collection
It contains supply to collect 30 stool samples (faeces container and specimen collection swabs). For Polio, there is another kit called "KIT, POLIO SPECIMEN COLLECTION"
Module 6 – Skin sample collection
It contains supply to collect 20 skin samples including skin biopsy punch and scalpels disposable, Paraformaldehyde 8% and wound closure strips.

Module 7 – Urine sample collection
It contains only 30 urine containers 100ml disposable, sterile.

Module 8 – Sample transport
It contains different boxes/carriers to transport and ship samples: infectious substance packaging UN2814, UN2900 (category A), biohazard bags (red and yellow), vaccine carrier 2.6 litres and cold chain insulated box 35X35X35cm.

HOW TO ORDER AND RE-ORDER
It is no longer possible to request the complete kit. Quantity of each module is requested according to your need. Each module is a stand-alone that can be ordered individually. It is therefore possible to order several modules in different quantities.

Kit label
The kit label colour is “blue” for the SCK 2022. Information on the label are:

• The name of the kit: Sample collection kit 2022 and the date of the revision or creation (2022).
• The name of the module, in the example the “SKIN SAMPLE COLLECTION”
• How many boxes constitute this module (not the kit). In the example below only “1 box” total number of box is then 1/1.
• The WHO code of the module (not the kit): KMEDSAMCKM6--A1
• The first item to expire in that box, knowing that the box#1 always contains the shortest shelf life.

USEFUL RESOURCES AND WHO GUIDELINES
• WHO Operational handbook on Tuberculosis, Module 5: management if tuberculosis in children and adolescents, 2022, https://apps.who.int/iris/rest/bitstreams/1414333/retrieve
• https://www.who.int/emergencies/emergency-health-kits