

# Category and Product-level Procurement and Delivery Planning Guide – Health and non-health products

## Indicative Lead Times

Version Q4 2023 – October 2023

This information will be updated periodically, with the latest made available [here](#)

This document lays out indicative lead times for planning purposes for key health products, including HIV, malaria, COVID-19, and non-health products, for the Global Fund's Pooled Procurement Mechanism (PPM). The indicative lead-times are based on current market knowledge to assure on-time delivery and best value procurement in terms of product and freight costs. This information may also be useful as a reference for other procurement channels.

**Very importantly, for your planning, please recall and review the following guidance on the utilization of funds related to the delivery of products:**

- Products to be delivered before the grant end date: [Guidelines for Grant Budgeting](#) (Section 2.1.1.)
- The Global Fund has taken a differentiated approach to the C19RM extension including 'use by dates' of June 2024, December 2024, or December 2025 for different country cohorts. These 'use by dates' correspond to the dates by which all products must be delivered, services rendered, and invoices paid. Country-specific 'use by dates' have been communicated to PRs through CCM letters in September 2023 and to the Procurement Services Agents (PSAs) in October 2023.

**PRs are strongly encouraged to place C19RM funded Wambo orders as soon as possible in Q4 2023 / Q1 2024; this is especially important for complex health equipment and equipment requiring installation orders.**

**Principal Recipients should use all available resources and support to assess whether products can be delivered in accordance with the C19RM extension differentiated approach of completion before 'use by dates'. Support includes this product lead-time guide and Global Fund Secretariat (Country Team, PPM Procurement Transaction Management Team).**

**For December 2025 'use by dates', orders should be delivered by June 2025 to enable services to be rendered and invoices paid in time before the firm end date. There is no possibility of slippage of deliveries beyond 31 December 2025.**

The lead-time guidance below corresponds to the average times from making a procurement request through to delivery in-country and assumes that there are no financing or other challenges that may delay confirming an order.

Orders that would therefore need long times to be approved or for countries where importation approvals take long, PRs must add the necessary additional weeks to these lead times.

During delivery, PRs need to expedite approvals for shipment to minimize the barriers to be able to move products efficiently in the context of greater complexity to enable products to be delivered in-time.

This information is provided at the category and the detailed product level and is indicative based on current market knowledge to assure on-time delivery and best value procurement in terms of product and freight costs.

This lead time document is updated regularly and can be found on the [Global Fund's website](#).

A similar lead time guide for TB products is available on [StopTB Partnership's Global Drug Facility's website](#)

**To find month required for order placement, first select products and the date required in country (more precise information available in the pages below)**

Conservative Indicative lead time planning guide		2023	2024											
		December	January	February	March	April	May	June	July	August	September	October	November	December
<p><i>Note that there may be some variations within the category - please consult the subsequent product level detail for more specific guidance</i></p>		Optimal high volume ARVs				Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024
		Specialist-or limited use ARVs	Order by 30 January 2024											
		Other medicines	Order by 30 January 2024											
		HIV Rapid tests, self-tests					Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024
		Condoms & lubricants					Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024
		HIV Viral Load / Early Infant Diagnosis					Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024
		CD4 / chemistry / hematology	Product availability is dependent on manufacturer production schedule at time of order confirmation.											
Malaria	AL; ASAQ					Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024
	Artesunate injection					Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	
	Seasonal malaria chemoprevention					Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024		
	Other antimalarials	Order by 30 January 2024												
	Malaria Rapid tests					Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024
	ITNs (pyrethroid) – standard specification, not exceeding 2m ITNs				Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024
	ITNs – PBO – standard specification, not exceeding 2m ITNs				Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024
	ITNs – Dual AI – standard specification, not exceeding 2m ITNs				Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jun 2024
IRS						Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024		
COVID-19	COVID Dx (PCR & Rapid Test) - by Air		Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024
	PPE - by Air		Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024
	PPE - by Ocean			Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024
General Laboratory equipment, consumables and supplies						Order urgently	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	
Non-health		For non-health products lead time significantly varies, for more details please refer to specific product lead times below.												

Latest indicative date order date for reliable supply and best value

**HIV**

Total lead time for planning (DAP delivery)	Administrative Lead Time	Manufacturing Lead Time	Freight Lead Time by Ocean	Total Lead Time
Abacavir/Lamivudine 120/60mg tablet dispersible 30	30 days	90 days	90 days	210 days
Abacavir/Lamivudine 600/300mg tablet 30	30 days	90 days	90 days	210 days
Atazanavir/Ritonavir 300/100mg tablet 30	30 days	90 days	90 days	210 days
Abacavir/Dolutegravir/Lamivudine 600/50/300mg tablet 30	30 days	90 days	90 days	210 days
Darunavir 600mg tablet 60	30 days	120 days	90 days	240 days
Darunavir/Ritonavir 400/50mg tabs 60	30 days	90 days	90 days	210 days
Darunavir 400mg tablet, container of 60 tablets	30 days	120 days	90 days	240 days
Dolutegravir 50mg tablet 30	30 days	60 days	90 days	180 days
Dolutegravir/Lamivudine/Tenofovir 50/300/300mg tablet 30/90/180	30 days	60 days	90 days	180 days
Dolutegravir 10mg dispersible tablet, container of 90 tablets	30 days	90 days	90 days	210 days
Efavirenz/Lamivudine/Tenofovir 400/300mg/300mg tablet 30/90/180	30 days	120 days	90 days	240 days
Emtricitabine/Tenofovir 200/300mg tablet, container of 30 tablets	30 days	90 days	90 days	210 days
Lamivudine 10mg/mL oral solution, 240mL bottle	30 days	150 days	90 days	270 days
Lamivudine/Tenofovir 300/300mg tablet 30	30 days	90 days	90 days	210 days
Lamivudine/Zidovudine 30/60mg tablet dispersible 60	30 days	90 days	90 days	210 days
Lamivudine/Zidovudine 150/300mg tablet 60	30 days	90 days	90 days	210 days
Lopinavir/Ritonavir 200/50mg tablet 120	30 days	90 days	90 days	210 days
Ritonavir 100mg tablet 30	30 days	120 days	90 days	240 days
Tenofovir 300mg tablet 30	30 days	90 days	90 days	210 days
Isoniazid 100mg tablet 100	30 days	120 days	90 days	240 days
Isoniazid 300mg tablet 30	30 days	120 days	90 days	240 days
Isoniazid 300mg tablet 672	30 days	120 days	90 days	240 days
Isoniazid 300mg tablet 1000	30 days	120 days	90 days	240 days
Isoniazid/Rifapentine 300/300mg 36 tablet	30 days	150 days	90 days	270 days
Abacavir 300mg tablet 60	<p style="text-align: center;">Low-volume products.</p> <p style="text-align: center;">For any deliveries in country requested in June-December 2024, the requisition in Wambo <b>must</b> be raised at the latest by <b>30 January 2024</b> to allow us to plan production campaign for 2024. The delivery in country date will be confirmed at the time the Price Quotation is issued in Wambo to the Principal Recipient.</p>			
Efavirenz 200mg tablet double scored 90				
Lamivudine 150mg, Tablet, 60 tablet, bottle				
Lopinavir/Ritonavir 100/25mg tablet 60				
Lopinavir/Ritonavir 40/10mg capsule 120				
Lopinavir/Ritonavir 40/10mg oral granules –120 sachets				
Nevirapine 10mg/ml oral suspension 100ml				
Raltegravir 25mg chewable tablet 60				
Raltegravir 100mg tablet 60				
Raltegravir 100mg oral granules sachet 60				
Raltegravir 400mg tablet 60				
Ritonavir 25mg tablet 30				

Total lead time for planning (DAP delivery)	Administrative Lead Time	Manufacturing Lead Time	Freight Lead Time by Ocean	Total Lead Time
Ritonavir 100mg tablet 60				
Zidovudine 50mg/5ml Oral solution 240ml				
Entecavir 0.5mg tablet 30				
Entecavir 0.5mg tablet 90				
Entecavir 1mg tablet 30				
Entecavir 1mg tablet 90				
Daclatasvir 30mg tablet 28				
Daclatasvir 60mg tablet 28				
Sofosbuvir 400mg tablet 28				
Sofosbuvir+Daclatasvir 400+60mg tablet co-blistered 28 blister				
Sofosbuvir/ Ledipasvir 400mg/90mg tablet 28				
Sofosbuvir/Velpatasvir tablet 400mg/100mg tablet 28				
Isoniazid/cotrimoxazole/vitamin B6 300/960/25mg tablet 30				
Rifapentine 150mg tablet 24				
Pegylated liposomal doxorubicin 2mg/ml 20/50mg 1 vial				
Amphotericin B liposomal 50mg for injection – 10 vials				
Flucytosine tablet 500mg tablet 100				
HIV professional tests	<b>30 days</b>	<b>90 days</b>	<b>90 days</b>	<b>210 days</b>
HIV–self tests	<b>30 days</b>	<b>70 days</b>	<b>90 days</b>	<b>190 days</b>
Female condom – 1 piece	<b>30 days</b>	<b>90 days</b>	<b>90 days</b>	<b>210 days</b>
Male condom – pack of 144	<b>30 days</b>	<b>90 days</b>	<b>90 days</b>	<b>210 days</b>
Lubricant 4/4.3/5 ml – water based – 1000 sachets	<b>30 days</b>	<b>90 days</b>	<b>90 days</b>	<b>210 days</b>
Instrument	<b>30 days</b>	<b>90 days</b>	<b>90 days</b>	<b>210 days</b>
Viral Load / Early Infant Diagnostic + consumables	<b>30 days</b>	<b>90 days</b>	<b>90 days</b>	<b>210 days</b>

## Malaria

Total lead time for planning (DAP delivery)	Administrative Lead Time	Manufacturing Lead Time	Freight Lead Time by Ocean	Total Lead time
Artemether/Lumefantrine 6/12 dispersible tablet, 18/24 tablet, 30 blister	30 days	50 days	90 days	170 days
Artesunate/Amodiaquine 3/6 tablet, 25 blister	30 days	60 days	90 days	180 days
Artesunate/Mefloquine 6 tablet, 1 blister	30 days	160 days	90 days	280 days
Artesunate 30/60/120 mg powder for solution for injection – 1 vial	30 days	70 days	90 days	190 days
Amodiaquine (as hydrochloride)+Sulfadoxine/Pyrimethamine, co-blistered 50 blister	30 days	60 days	90 days	180 days
Artesunate/Pyronaridine 20/60mg granule 90	30 days	90 days	90 days	210 days
Artesunate/Pyronaridine 60/180mg tablet 9 tablet 10 blister	30 days	90 days	90 days	210 days
Piperaquine tetraphosphate (as the tetrahydrate;PQP)/Dihydroartemisinin (DHA) 3/6/9/ tablet	30 days	50 days	90 days	170 days
Sulfadoxine/Pyrimethamine tablet/blister	30 days	50 days	90 days	170 days

The following medicines indicated in the table below are not produced on a regular basis rather than campaign production. We need to consolidate demand across countries to meet the minimum batch size

Artesunate suppository

For any deliveries in country requested in June - December 2024, the requisition in Wambo **must** be raised at the latest by 20 December 2023 to allow us to plan production campaign for 2024.

Total lead time for planning (DAP delivery)	Administrative Lead Time	Manufacturing Lead Time	Freight Lead Time by Ocean	Total Lead time
Malaria Rapid Diagnostic Test Kit – Antigen Pf – accessories included – 25 tests	30 days	70 days	90 days	190 days
Malaria Rapid Diagnostic Test kit – Antigen Pf – POCT – accessories included – 25 x 1 test	30 days	70 days	90 days	190 days
Malaria Rapid Diagnostic Test Kit – Antigen Pf / Pv – accessories included – 25 tests	30 days	70 days	90 days	190 days
Malaria Rapid Diagnostic Test Kit – Antigen Pf / Pv – POCT – accessories included – 25 x 1 test	30 days	70 days	90 days	190 days
Malaria Rapid Diagnostic Test Kit – Antigen Pf / Pan – accessories included – 25 tests	30 days	70 days	90 days	190 days
Malaria Rapid Diagnostic Test Kit – Antigen Pf/Pan – POCT– accessories included – 25 x 1 test	30 days	70 days	90 days	190 days
ITN– Pyrethroid Standard Specification*	30 days	30 days	90 days	150 days
ITN – PBO Standard Specification*	30 days	30 days	90 days	150 days
ITN – Dual AI Standard Specification*	30 days	30 days	90 days	150 days
ITN– Pyrethroid Customized Specification*	30 days	90 days	90 days	210 days
ITN – PBO Customized Specification*	30 days	90 days	90 days	210 days
ITN – Dual AI Customized Specification*	30 days	90 days	90 days	210 days
Bendiocarb 80% (wetable powder – WP) 62.5g	30 days	120 days	90 days	240 days
Bendiocarb 80% (wetable powder – WP) 100g	30 days	120 days	90 days	240 days
Bendiocarb 80% (wetable powder – WP) 125g	30 days	120 days	90 days	240 days
Bendiocarb 80% (wetable powder in water soluble bag – WP–SB) 62.5g	30 days	120 days	90 days	240 days
Bendiocarb 80% (wetable powder in water soluble bag – WP–SB) 100g	30 days	120 days	90 days	240 days
Bendiocarb 80% (wetable powder in water soluble bag – WP–SB) 125g	30 days	120 days	90 days	240 days
Clothianidin 50% [SUMISHIELD] (water dispersible granules – WG) 150g	30 days	120 days	90 days	240 days
Clothianidin & Deltamethrin 56.25% [FLUDORA FUSION] (wetable powder in water soluble bag – WP–SB), 80g	30 days	120 days	90 days	240 days
Clothianidin & Deltamethrin 56.25% [FLUDORA FUSION] (wetable powder in water soluble bag – WP–SB), 100g	30 days	120 days	90 days	240 days

<b>Total lead time for planning (DAP delivery)</b>	<b>Administrative Lead Time</b>	<b>Manufacturing Lead Time</b>	<b>Freight Lead Time by Ocean</b>	<b>Total Lead time</b>
Deltamethrin 25% (water dispersible granules – WG) 20g	<b>30 days</b>	<b>120 days</b>	<b>90 days</b>	<b>240 days</b>
Deltamethrin 25% (water dispersible granules – WG) 25g	<b>30 days</b>	<b>120 days</b>	<b>90 days</b>	<b>240 days</b>
Deltamethrin 5% (wetable powder – WP) 100g	<b>30 days</b>	<b>120 days</b>	<b>90 days</b>	<b>240 days</b>
Dichlorodiphenyltrichloroethane (DDT) 75% (wetable powder – WP) 670g	<b>30 days</b>	<b>120 days</b>	<b>90 days</b>	<b>240 days</b>
Lambda-cyhalothrin 10% (capsule suspension – CS) 62.5ml	<b>30 days</b>	<b>120 days</b>	<b>90 days</b>	<b>240 days</b>
Pirimiphos–methyl [ACTELLIC] 300 g/L (capsule suspension – CS) 833ml	<b>30 days</b>	<b>120 days</b>	<b>90 days</b>	<b>240 days</b>

\* The lead-times for large quantities of ITNs (>2 million) may be longer and shipments may need to be staggered. For dual AI ITNs in particular, lead times assume that PR's demand is captured in the Global Fund aggregate forecast - please contact your CT or preferably the country focal point in the Supply Operations Planning and Procurement Transaction Management Team (formerly PR-Services).

# COVID-19

Table 1: Diagnosis, Testing and Surveillance	Administrative lead time	Manufacturing lead time	Total lead time for planning (DAP delivery)	
			Total lead time by Air	Total lead time by Ocean
<b>COVID-19 Diagnostic Reagents and Consumables - RAPID DIAGNOSTIC TESTS</b>				
SARS-CoV-2 Rapid Antigen Diagnostic Test Kit	30 days	15-30 days	90 – 105 days	120 – 135 days
<b>COVID-19 Diagnostic Reagents and Consumables - RAPID DIAGNOSTIC TESTS: Antigen-RDT Self-Test</b>				
SARS-CoV-2 Rapid Antigen Diagnostic Self-Test Kit*	30 days	15-30 days	90 – 105 days	120 – 135 days
<b>COVID-19 Diagnostic Reagents and Consumables - AUTOMATED PCR TESTS</b>				
SARS-CoV-2 Automated PCR Tests	30 days	15-45 days	90-120 days	120-150 days
<b>COVID-19 Diagnostic Reagents and Consumables - MANUAL PCR TESTS: Amplification kits</b>				
SARS-CoV-2 Manual PCR Tests	30 days	20-45 days	90-120 days	110-150 days
<b>COVID-19 Diagnostic Reagents and Consumables - NUCLEIC ACID EXTRACTION KITS</b>				
SARS-CoV-2 Nucleid Acid Extraction Kits	30 days	15-70 days	90-145 days	120-175 days
<b>COVID-19 Diagnostic Reagents and Consumables - SAMPLE COLLECTION</b>				
SARS-CoV-2 Sample Collection Kits	30 days	15-60 days	90-135 days	120-165 days
<b>COVID-19 Diagnostic Reagents and Consumables - OTHER CONSUMABLES</b>				
BGI COVID-19 PCR Consumables, Kit of 3000 Tests	30 days	20 days	95 days	125 days
BD MAX PCR Cartridges, 576 per box	30 days	45 days	120 days	150 days
Plates (Deep Well / Well Optical / Microplate)	30 days	35 days	110 days	140 days
Pipette Tips	30 days	70 days	145 days	175 days
<b>COVID-19 Molecular Test Equipment - AUTOMATED NUCLEIC ACID EXTRACTORS</b> <i>(Complex equipment requires the designated site to be ready for handover at least three months before the end of 2023 in order to comply with the Global Fund budgeting guidelines)</i>				
NucliSENS® easyMAG® System	30 days	45 days	120 days	150 days
KingFisher™ Flex Purification System	30 days	35 days	110 days	140 days
QIAasymphony® SP	30 days	20 days	95 days	125 days
Roche MagNA Pure	30 days	20 days	95 days	125 days
Automated Nucleic Acid Extractor w/software v2.4.1	30 days	70 days	145 days	175 days
<b>COVID-19 Molecular Test Equipment - THERMOCYCLERS, INCLUDING RT-PCR ANALYZERS</b> <i>(Complex equipment requires the designated site to be ready for handover at least three months before the end of 2023 in order to comply with the Global Fund budgeting guidelines)</i>				
Applied Biosystems™ 7500	30 days	35 days	110 days	140 days
Cobas Analyzer	30 days	90 days	165 days	195 days
CFX96 Detection system / Optical Reaction module	30 days	60 days	135 days	165 days
Bio-Rad, C1000 Touch, PCR Equipment / Thermal Cycler	30 days	60 days	135 days	165 days
Rotor-Gene Q MDx 5plex HRM Platform	30 days	20 days	95 days	125 days
Applied Biosystems QuantStudio (Research Use Only)	30 days	35 days	110 days	140 days
Roche, LightCycler II 480, PCR Equipment	30 days	20 days	95 days	125 days
SLAN-96P PCR system	30 days	15 days	90 days	120 days
BD MAX™ System	30 days	90 days	165 days	195 days

Table 1: Diagnosis, Testing and Surveillance	Administrative lead time	Manufacturing lead time	Total lead time for planning (DAP delivery)	
			Total lead time by Air	Total lead time by Ocean
GeneXpert Desktop, Laptop and satellite multi-site system	30 days	60 days	135 days	165 days
<b>COVID-19 Sequencing Analyzers</b> (delivery lead time may vary in some countries depending on the regulatory and instrument compliance requirements)				
Illumina iSeq 100	60 days	60 days	165 days	195 days
Illumina MiniSeq	60 days	60 days	165 days	195 days
Illumina MiSeq	60 days	70 days	175 days	205 days
Illumina NextSeq 550, Nextseq 1000, NextSeq 2000	60 days	60 days	165 days	195 days
NovaSeq 6000	60 days	125 days	230 days	260 days
<b>COVID-19 Molecular Test Equipment - OTHERS</b> (Complex equipment requires the designated site to be ready for handover at least three months before the end of 2023 in order to comply with the Global Fund budgeting guidelines)				
LumiraDx™ Platform	30 days	30 days	105 days	135 days
BD Veritor™ Plus Analyzer	30 days	60 days	135 days	165 days
LumiraDx SARS-CoV-2 Antigen Quality Control, Kit of 24 Tests	30 days	30 days	105 days	135 days
Magnetic stand: Manual extraction	30 days	35 days	110 days	140 days
Tabletop PCR workstation with UV light	30 days	90 days	165 days	195 days
UV cross linker / transilluminator	30 days	90 days	165 days	195 days
<b>COVID-19 Molecular Test Equipment - OTHER CONSUMABLES - MOLECULAR TEST EQUIPMENT</b>				
MagNA Pure equipment	30 days	20 days	95 days	125 days
MicroAmp equipment	30 days	35 days	110 days	140 days
TaqMan™ RNase P Instrument Verification Plate for 7300/7500 Systems, 96-well	30 days	35 days	110 days	140 days
96-Well TaqMan instrument Verification Plate	30 days	35 days	110 days	140 days
384-Well TaqMan™ RNase P Instrument Verification Plate	30 days	35 days	110 days	140 days
7500 Real Time PCR Systems Spectral Calibration Kit I	30 days	35 days	110 days	140 days
ABY™ and JUN™ Dye Spectral Calibration Plate for Multiplex qPCR, 96-well	30 days	35 days	110 days	140 days
7500 Fast Real-Time PCR Systems Spectral Calibration Kit I	30 days	35 days	110 days	140 days
ABY™ and JUN™ Dye Spectral Calibration Plate for Multiplex qPCR, Fast 96-well	30 days	35 days	110 days	140 days
KingFisher 96 consumables	30 days	20 days	95 days	125 days
Hard-Shell 96-Well PCR Plates, Low ProSfile, Thin wall, skirted, pack of 50 pieces	30 days	60 days	135 days	165 days
Microseal 'B' PCR Plate Sealing Film, adhesive, optical, pack of 100 pieces	30 days	60 days	135 days	165 days
0.2 ml 8-Tube PCR Strips without Caps, low profile, pack of 120 pieces	30 days	60 days	135 days	165 days
Cobas kits and Consumables	30 days	20 days	95 days	125 days



Table 2: Infection, Prevention and Control	Administrative lead time	Manufacturing lead time	Total lead time for planning (DAP delivery)	
			Total lead time by Air	Total lead time by Ocean
<b>Core Personal Protective Equipment (PPE)</b>				
PPE – Core (Gloves, Apron, Faceshield, Goggles, Gowns, Scrubs)*	30 days	7-30 days	82 – 105 days	112 – 135 days
Masks / Respirators*	30 days	15 days	90 days	120 days
<b>Non-Core PPE</b>				
PPE – Others (Coverall, Boots, Bootcover, Surgical cap, heavy-duty gloves and Apron)	30 days	30 days	105 days	135 days

Table 3: Case Management, Clinical Operations and Therapeutics: Medical Oxygen	Administrative lead time	Manufacturing lead time	Total lead time for planning (DAP delivery)	
			Total lead time by Air	Total lead time by Ocean
<b>Medical oxygen* – Equipment</b>				
Oxygen analyser / Pulse oximeter	30 days	30 days	105 days	135 days
Ventilation (HFNC/ BiPAP) / Concentrator / Voltage Stabilizer	30 days	60 days	135 days	165 days
Medical ventilation / Patient monitoring	30 days	90 days	165 days	195 days
<b>Medical Oxygen – Consumables</b>				
Flowmeter, medical gas / Prong, canula / Mask / Tubing / Flow spitter	30 days	30 days	105 days	135 days
Humidifier / Airway / CPAP / Laryngoscope / Endotracheal tube / Resuscitator	30 days	50 days	125 days	155 days
Infusion giving set	30 days	60 days	135 days	165 days
Suction device	30 days	90 days	165 days	195 days
<b>Medical Oxygen – Pressure Swing Absorption (PSA) Oxygen Plants</b>				
PSA Oxygen Plants	70-110 days**	60-70 days***	N/A	205 – 255 days

Table 4: Case Management, Clinical Operations and Therapeutics: Health Equipment	Administrative lead time	Manufacturing lead time	Total lead time for planning (DAP delivery)	
			Total lead time by Air	Total lead time by Ocean
<b>X-rays (Complex equipment requires the designated site to be ready for handover at least three months before the end of 2023 in order to comply with the Global Fund budgeting guidelines)</b>				
X-Ray Unit - Ultra portable only	30 days	120 days	195 days	225 days
X-ray Unit - Ultra portable with options	30 days	140 days	215 days	245 days

X-Ray lab and clinic	30 days	120 days	195 days	225 days
<b>Other Health Equipment</b> (Complex equipment requires the designated site to be ready for handover at least three months before the end of 2023 in order to comply with the Global Fund budgeting guidelines)				
Electronic drop counter for IV fluids	30 days	40 days	115 days	145 days
Blood gas analyzer / Electrocardiogram	30 days	60 days	135 days	165 days
Ultrasound	30 days	90 days	165 days	195 days
Infusion pump	30 days	120 days	195 days	225 days

Table 5: Pharmaceuticals	Administrative lead time	Manufacturing lead time	Total lead time for planning (DAP delivery)	
			Total lead time by Air	Total lead time by Ocean
Dexamethasone	30 days	90 days	165 days	195 days
Enoxaparin	30 days	90 days		
Heparin	30 days	90 days		
Nirmatrelvir + Ritonavir (Co-packed)*	30 days	90 days		
Molnupiravir	30 days	90 days		

Table 6: Health Product and Waste Management Systems	Administrative lead time	Manufacturing lead time	Total lead time for planning (DAP delivery)	
			Total lead time by Air	Total lead time by Ocean
<b>Waste Management</b> (Complex equipment requires the designated site to be ready for handover at least three months before the end of 2023 in order to comply with the Global Fund budgeting guidelines)				
Safety Box 5L	30 days	30 days	105 days	135 days
Waste management consumables / Autoclave 40L	30 days	60 days	135 days	165 days
Biohazard bags (15L; 100l)	30 days	90 days	165 days	195 days
Microwave with integrated shredder	30 days	70 – 130 days	145 – 205 days	175 – 235 days
Incinerators (30, 50, 100, 225, 360kg/h)	30 days	120 days	195 days	225 days
<b>Laboratory Equipment</b> (Complex equipment requires the designated site to be ready for handover at least three months before the end of 2023 in order to comply with the Global Fund budgeting guidelines)				
Vortex Mixer / Centrifuge	30 days	60 days	135 days	165 days
Autoclave for laboratory	30 days	70 days	145 days	175 days
Other equipment (Biosafety Cabinet, Centrifuge, Incubator, Freezer, Thermoblock)	30 days	90 days	165 days	195 days
<b>Cold Chain Consumables</b>				
Cold box	30 days	20 days	95 days	125 days
Data logger (single use and reusable)	30 days	60 days	135 days	165 days

## Non-health

Total lead time for planning (DAP delivery)	150 days	180 days	210 days	240 days	270 days	300 days
<b>Motor vehicles</b>						
Ex-stock Motor vehicles		X				
Ex-factory Motor vehicles						
<b>Motorcycles</b>						
Ex-stock Motorcycles		X				
Ex-factory Motorcycles					X	
<b>Trucks</b>						
Flat bed / Cargo / Refrigerated trucks					X	
<b>Buses</b>						
Minibuses			X			
Buses				X		
<b>Ambulances</b>						
Ex-stock ambulances			X			
Ex-factory ambulances					X	
<b>Mobile clinics</b>						
Gynecological clinics						X
Mobile laboratories						X
Mobile X Ray TB units						X
Blood donation units						X
<b>IT equipment</b>						
Desktops / Laptops / Printers	X					
<b>Incinerators</b>						
Medical incinerators			X			
Non-medical incinerators			X			
<b>Generators</b>						
50 HZ generators		X				
60 HZ generators		X				
<b>Material handling equipment</b>						
Forklifts			X			
Telescopic handlers				X		
<b>Prefabricated buildings</b>						
Prefabs for hot regions						
Prefabs for cold regions						
<b>Solar appliances</b>						
Solar streetlamps			X			
Solar lanterns			X			
Solar fridges		X				