

Interim list of WHO medical devices for Ebola care - medical devices (not including personal protective equipment)

This list can be used for donation, procurement and preparedness for Ebola care.

Main references

Clinical Management of Patients with Viral Haemorrhagic Fever: A Pocket Guide for the Front-line Health Worker, WHO, March 2014	http://apps.who.int/iris/bitstream/10665/130883/2/WHO_HSE_PED_AIP_14.05.pdf
Personal protective equipment in the context of filovirus disease outbreak response rapid advice guideline: summary of the recommendations, WHO, October 2014	http://apps.who.int/iris/handle/10665/137410#sthash.84IQyJL7.dpuf
Interim Infection Prevention and Control Guidance for Care of Patients with Suspected or Confirmed Filovirus Haemorrhagic Fever in Health-Care Settings, with Focus on Ebola, WHO, August 2014	http://www.who.int/csr/resources/publications/who-ipc-guidance-ebolafinal-09082014.pdf
Laboratory Guidance for the Diagnosis of Ebola Virus Disease Interim Recommendations, WHO, September 2014	http://apps.who.int/iris/bitstream/10665/134009/1/WHO_EVD_GUIDANCE_LAB_14.1_eng.pdf
Ebola response roadmap, WHO, August 2014	http://www.who.int/csr/resources/publications/ebola/response-roadmap/en/

Other references

Interagency Emergency Health Kit, WHO, 2011	http://www.who.int/medicines/publications/emergencyhealthkit2011/en/
UNICEF supply catalogue (please enter item code for direct link to the specification)	https://supply.unicef.org
WHO Core medical equipment, WHO, 2011	http://www.who.int/medical_devices/innovation/core_equipment/en/
WHO Compendium of innovative health technologies for low-resource settings, WHO, 2013	http://www.who.int/medical_devices/innovation/compendium/en/index3.html

Note

ECU (Ebola Care Unit) or CCC (Community Care Centre) will be established as complementary approach to prevent transmission in affected areas at community level. Services will be monitoring suspected patients and basically providing only oral treatment and other simple supportive/palliative care without injections or other similar procedures.

ETC (Ebola Treatment Centre) or ETU (Ebola Treatment Unit) is where initial triage is done and patients with suspected Ebola are strictly separated from those in whom the disease has been confirmed, and then treated. It can include administering intravenous fluids and injections.

Category	Item name	*** Recommended ** Alternative * Optional		ETC	WHO detailed description	Sizes	Certification or minimum testing	Other information, or just an example
edical Equipment	Thermometer, Infrared	***	х	х	Handheld battery-powered electronic instrument designed to estimate body temperature od a site on skin (e.g. forehead) non-invasively, quickly without touching. A sensor can be cleaned easily by each use with wiping by disinfectant or sterilisable cover.	N/A	ISO 80601-2-56:2009 ISO 80601-2-59 Ed. 1.0:2008 ASTM E1104-98(2003) ASTM E1965-98(2009) ASTM E1112-00(2011) JIS T 4207:2005 or equivalent	WHO Core: Thermometers, electronic, infrared Example: Infrared ear thermometer
Š	Lamp, torch, portable	***	х	х	Portable battery operated torch using LEDs, mainly used where electricity is not available, recharged by wind-up battery.	N/A		
	Scissors	***	х	x	Scissors with one pointed and one blunt end blade. Length: approximately 14cm. Material: martensitic steel (quenched, magnetic steel). Martensitic steel composition: 0.40 carbon; 14% chromium.			UNICEF S0773500 Scissors, Deaver, 140mm, str
	Blood pressure cuffs, automatic, portable, battery or solar powered	**	x	х	Portable blood pressure, automated, by rechargeable battery or solar powered. Electric automated blood pressure monitor operated by rechargeable battery, solar-powered or line-powered. Ultraviolet-tolerant plastic, dust-preventive structure. Cuff arm fixing method to allow easy use, and easy cleaning or disposable. Maximum pressure minimum 300mmHg with reading gradually every 2mmHg accuracy. Operating conditions: Temperature between 5 to 45 degrees Celsius, Relative humidity max. 90% without condensation. Rechargeable batteries are required for operating at least one year.	Adult: Cuff size approximately 57 x 15 cm, Inflatable bag size approximately 22 x 10 cm. Child: Cuff size approximately 53 x 10 cm, Inflatable bag size approximately 22 x 8 cm.	ISO 81060-2:2013 ISO/IEEE 11073-10407:2010 OIML R16-2:2002 ANSI/AAMI SP10:2002 JIS T 1115:2005 or equivalent	Example: Automated solar-powered blood pressure monitor
	Pulse-oximeter, portable	**	x	х	Compact portable device measures arterial blood oxygen saturation (SpO2), heart rate and signal strength. Measuring range: SpO2 30 to 100% (minimum graduation 1%), Heart rate 20 to 250 bpm (minimum graduation 1bpm). Line-powered, or Extra-batteries/rechargeable batteries are required at least one year.		ISO 80601-2-61:2011 or equivalent	UNICEF S0002033 Pulse oximeter, portable, w/access UNICEF S0002036 Pulse oximeter, spot-check, w/access Example: Self-powered pulse oximeter WHO Core: Oximeter, pulse
	Sphygmomanometer, aneroid	**		х	Device used to measure arterial blood pressure, composed of cloth cuff containing an inflatable bag connected via a tube to a flexible bulb with valve and integrated manometer needle gauge. The cuff with double Velcro fastening, enabling it to be adjusted to fit tightly around the arm. The cuff is washable, very strong and reinforced at both ends. The bag is inflated by means of the flexible bulb connected via a tube (length approximately 60cm, flexible and with reliable quick connector).	Adult: Cuff size approximately 57 x 15 cm, Inflatable bag size approximately 22 x 10 cm. Child: Cuff size approximately 53 x 10 cm, Inflatable bag size approximately 22 x 8 cm.	ISO 81060-1:2007 or equivalent	UNICEF S0683200 Sphygmomanometer, (adult), aneroid UNICEF S0683300 Sphygmomanometer, (child), aneroid

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tegory	Item name	*** Recommended ** Alternative * Optional		ETC ETU	WHO detailed description	Sizes	Certification or minimum testing	Other information, or just an example
	Oxygen concentrators	*		x	Device concentrates oxygen from ambient air. On 4 antistatic swivel castors, 2 with brakes. Integrated handle allows for easy moving and positioning. Oxygen sensing device is integrated and measures concentration at flow meter entrance. Four-step filtering of air-intake, including bacterial filter. All filters replaceable, coarse filter washable/reusable. Continuous monitoring with visual and audible alerts, on low 'high output pressure, low oxygen concentration, power failure and battery test. Operating conditions: Temperature between 5 to 45 degrees Celsius, Relative humidity max. 90% without condensation. Spare parts should be required for operating at least one year.	N/A		WHO Core: Concentrator, Oxygen UNICEF S0002047 Oxygen concentrator/SET Example: Oxygen concentrator-driven bubble CPAP Example: 515KS Oxygen Concentrator, DeVibiss, CODE PIS A1/01
	(Oxygen concentrator) Flow splitter	*		х	Splitter of oxygen flow provided by an oxygen concentrator. Each flow can be adjusted individually via its flow meter, range: 0.125 to 2LPM (Liter Per Minute). The output nozzle can either be fit with tubing or left blank. Input pressure: 50 to 350kPa.			UNICEF S0002052 Flow splitter, for oxygen concentrator
	Suction system, general purpose	*		х	A device is primarily used to aspirate fluids, secretions, or other foreign materials from a patient's airway by means of suction. Operated by line-powered, battery or manual. Must be able to generate a vacuum of at least 0.75 bar (570mmHg). Minimum open tube flow rate at least 1 litre liquid per minute. With single or twin suction bottles, minimum size 0.5 litres each. Bottle(s) to have an automatic cut off when full to prevent ingress of fluid to pump. Filter and overflow valve incorporated to prevent cross-contamination. Air line to pump to incorporate bacterial filter.			UNICEF S0760640 Pump, suction, foot-operated UNICEF S0002028 Pump, suction, surgical, 1 bottle, w/access UNICEF S0002029 Pump, suction, surgical, 12bottle, w/access
pment	Bed, cholera (or similar)	***	х	х	Hospital beds with hole on the centre of bed can be easy to clean/wash without mattress. Weight capacity approximately 107kg, Unit weight approximately 7kg, 100% polyester fabric deck with PVC backing. Approximately 18cm hole in nylon deck.			Example: DQE Cholera bed (MC4038, MC4038IV, MC4038R)
ш	Bucket, with handle, polypropylene	***	x	х	Bucket with handle and disposal stool collection contains, Material: Polypropylene. Volume: +/- 2.5L			UNICEF S0222020 Bedpan,polypropylene,adult
lospit	Buckets, Veronica	***	х	х	Comprised of a bucket and a basin on top of a wooden stand, these mini hand-washing stations are placed outside of epicentre health centres for quick and easy sanitation.			Example: Veronica bucket in Ghana
	Chair, Mackintosh with plastic sheet (or similar)	***	x	x	Should be easy to clean or washable, no mattress . Plastic sheet should be disposable.			Example: Veronica bucket
	Autoclave	**		х	Stand-alone table top steam sterilizer with drying cycle. Internal chamber is approximately diameter 30cm, volume 24L, stainless steel, with 3 removable shelves. Two automatic programs approximately 2.2 bar at 134C, and 1.1 bar at 121C. Single door, self-sealing with high-quality silicone gasket. Epoxy coated metal housing, interior chamber of stainless steel. Fit with 5L water reservoir, auto-fill and autonomy for approximately 10 cycles. Water circuit with high-efficiency bacteriological filter. Soft-touch control panel allow easy cleaning. Panel reports operating temperature, pressure and time low-water level, as well as system errors (e.g. door). Safety feature protect against over-pressure and over-temperature. Audio visual alarm at cycle end and in case of failure or potential danger. Should be supplied with 2 x Bacteriological air filters (spare) and 2 x Gaskets (spare).	,		UNICEF S0001338 Sterilizer steam autoclave, 24 L
	Bedpan, with handle, polypropylene	**	х	x	Bedpan with handle and disposal stool collection contains, and buckets Material of bedpan: Polypropylene, autoclavable. Volume: +/- 2.5L			UNICEF S0222020 Bedpan,polypropylene,adult
	Chair, Commode with buckets	**	х	х	Commode chairs/beds (with disposal stool collection contains) with buckets for patients who cannot go to remote latrine			
	Cover, mattress, washable	**	х	х	Plastic cover used to protect mattresses, washable, sipper, 220 cm. Central zipper on full length. Impervious seam waterproof resistant to 0.5% chlorine solution, thickness minimum 150 microns.			
	Urinal, with lid, plastic	**	х	х	Urinal, translucent polycarbonate, autoclavable. Capacity approximately 1L with graduated every 100ml.			
Œ	Bag, disposable for biohazardous waste	***	х	х	Disposal bag for bio-hazardous waste with "Bio Hazard" symbol printed on bag, autoclavable. Polypropylene. Use for PPE and clinical waste without sharps.	30x50cm		
nsumables for patient	Cannula, peripheral IV, sterile, disposable, with needle stick prevention	***		х	Needle for intravenous injection. Diameter is expressed gauge, Colour code by external diameter. Visible at the base of cannula. Components: Protecting cap, trocar, cannula, stopper, injection port. Luer lock (all parts fit together to form a unit). With spring loaded or safety IVs to prevent needle stick. Material: stainless steel trocar, PTFE (Poly Tetra Fluoro Ethylene), FEP (Fluorinated Ethylene Propylene), PUR (Polyurethane) cannula. Initial sterilization method: Ethylene oxide gas.	16G (1.7 X 45mm), grey 18G (1.3 x 45mm), green 22G (0.9 x 25mm), blue 24G (0.7 x 19mm), yellow	EN 10555-1:2013 EN 10555-5:2013 EN ISO 20594-1 ISO 594-1:1986 or equivalent	UNICEF S0709200 Cannula,IV short,16G,ster,disp UNICEF S0709210 Cannula,IV short,18G,ster,disp UNICEF S0709225 Cannula,IV short,22G,ster,disp UNICEF S0709230 Cannula,IV short,24G,ster,disp
	Catheter, IV, extension	***		х	catheter used for extension upbing of intravenous (IV) infusion, sterile, single use			
	Film/sheet, dressing, transparent, sterile, adhesive	***		х	Adhesive film/sheet, transparent used for dressing and after prcedure to avoid direct contact from infectious area or things. Sterile, Single use.			Example: Tegaderm
	Infusion giving set	***		х	Infusion giving set, sterile, single use with roller clamp/other accessories			

Item name	*** Recommended ** Alternative * Optional	ECU ETC	WHO detailed description	Sizes	Certification or minimum testing	Other information, or just an example
Syringe, re-use prevention (RUP) feature	***	x	Syringe, re-use prevention feature Type 1B: operates automatically during or upon completion of intended single use. Intended use/application: Prevented from re-use by needle retraction and disabling the plunger handle upon completion of the intended dose. Syringe with fixed needle. Graduated scale on the barrel, easy to read, with scale interval of 0.1 ml and 1 ml increment between graduation lines to be numbered. Barrel sufficiently transparent to allow easy measurement of the volume contained in the syringe and detection of air bubbles. Material: Polypropylene (PP). Needle: stainless steel; with plastic protecting cap. Needle size: 21G x 1.5 inch (0.80 x 38 mm). Sterilisation method: Ethylene oxide		ISO 7886-4: 2006 EN ISO 7886-3:2009 WHO/PQS/E08-E13 OSHA 1910.1030(c)(1)(iv)(A) or equivalent	UNICEF S0782304 Syringe,RUPw/SIP,3ml,w/fixed ndl/BOX-100 UNICEF S0782300 Syringe,RUP,5ml,w/fixed ndl/BOX-100 UNICEF S0782302 Syringe,RUPw/SIP,10ml,w/fixed nd/BOX-100
Sharps container	***	x	Puncture resistant container for collecting and disposing of used, disposable and auto-disable syringes, needles. Container with 5 L capacity accommodating approximately 100 syringes. Boxes should be prominently marked	5 L	WHO performance specification E10/IC.1 WHO/UNICEF standard E10/IC2 or equivalent	UNICEF S0001362 Safety box,used syrgs/ndls, 5L, set/25
Needle, sterile	***	x	External diameter expressed in Gauge and mm. Length expressed preferably in mm. Colour code: visible at the base of the needle. Needle with base (Luer type fitting), and protective cap. Material: Needle: Stainless steel. Base and protective cap: plastic. Disposable; Sterile (ethylene oxide sterilisation)	19G (1.1 x 38-40mm) 21G (0.8 x 38-40 mm) 23G (1.1 x 38-40mm) 25G (0.5 x 16 mm)	ISO 9626, EN-ISO 7864, EN-ISO 20594, EN-ISO 9626-1961, EN550 ISO 11135 or equivalent	UNICEF S0747420 Needle,disp,19G,ster UNICEF S0747432 Needle,disp,21G,ster UNICEF S0747452 Needle,disp,23G,ster UNICEF S0747445 Needle,disp,25G,ster
Stopcocks 3-way, with extension tubing, sterile, single use	***	х	Three-way T-shaped rotatable connector/valve. Valve handle rotates 360 degrees, connecting 2-out-of-3 exits. Pressure infusion system less than 4 bar. One exit with screw type Luer-lock with rotating collar. Two exits with Luer-tip. Exits capped with a Luer-closing. Fluid path diameter: approximately 25mm. Material, body: transparent poly-carbonate. Material, handle: high density polyethylene (HDPE). Sterile individually peel-packed set.		EN ISO 20594-1 ISO 594-1:1986 or equivalent	UNICEF S0001508 Three-way valve, Luer, w/caps, box/50
Tourniquets (for blood testing), latex rubber	***	x	Elastic strip, may be solid or tubular. Material: Latex rubber. Elastic strip solid, width: +/- 2cm length: 50-75cm OR Elastic strip tubular, ID/OD: 7/10mm, Length: 50-75cm Reusable and non-sterile.	50 - 75 cm		UNICEF S0385000 Tourniquet,latex rubber,50cm
Wrap, self-adherent, disposable	***	x	Wrap sued for fixing the extension set along the wrist or hand, stays in place without need for freaquent readjustment, Lightweight porous and comfortable for patient, Stick to itself without need for adhesive, pins or clips.	75mm x 4 to 5 m		Example: Coban
Cup, plastic, disposable	**	x x				
Needle, scalp vein, sterile	**	x	External diameter expressed in Gauge and mm. Length expressed in mm. Colour code/external diameter: Visible on the wings. Components: Needle with protecting cap, wings, tube including Luer connector with cap (all parts fit together to form a unit). Material: Sharp needle, stainless steel, siliconised, for traumatic insertion. Butterfly wings, PVC, for better handling and fixation. Soft flexible tubing, PUR (polyurethane) or PVC, length approx. 150-300mm, including Luer connector with cap. Initial sterilisation method: Ethylene oxide gas.	21G (0.8 x 20 mm) green 25G (0.5 x 20 mm) orange	ISO 594-1:1986 EN ISO 10555-1 EN ISO 6009 (colour std) EN ISO 20594-1 or equivalent	UNICEF S0744400 Needle,scalp vein,21G,ster,disp UNICEF S0744300 Needle,scalp vein,25G,ster,disp
Lock/Cap/stopper, Intravenous	**	х	Cap for the intravenous line when IV line is not used. Material: thermoplastic polymer. Sterile, single-use			
Gauze, bandage, roll, non- sterile	**	x	Gauze bandage with selvedge. Non elastic, non adhesive, non detectable X-ray. Thread count: Warp 12 threads/cm, Weft 8 threads/cm. Weight: Approximately 27.5g/m2. Components: Bleached, purified textile, plain weave. Material: Absorbent gauze, 100% cotton. Disposable.	Width x Length: 5 cm x 5 m, roll 8 cm x 4 m, roll		UNICEF S0512110 Bandage,gauze,5cmx5m,roll UNICEF S0512111 Bandage,gauze,8cmx4m,roll
Gauze, compress, non-sterile	**	x x	Gauze compress, surgical folding, i.e. so that there are no free threads apparent after folding or when the first outside fold is opened. Non-detectable by X-ray.Thread count: Warp 95 to 105 threads/dm. Weft 66 to 74 threads/dm. Weight: Approximately 23g/m2. Type of gauze: 17 threads/cm2 (grammage 23g/m2). Number of folds (thickness): 12. Components: Bleached, purified textile, plain weave. Material: Absorbent gauze, 100 % cotton. Disposable.	Width x Length: 10 cm x 10 cm		UNICEF S0523005 and S0001408 Compress, gauze,10x10cm,n/ster/P 100
Catheter, Foley, sterile, disposable	*	x	Sterile urethral catheter for single use. Straight pointed catheter of Foley type = with balloon. Central channel intended for urinary drainage, ending by a cup connector allowing catheter to be connected to urine bag. Side channel intended for inflating balloon, ending by a non-return valve with Luer tip connection. Rounded distal end with 2 facing side windows. Diameter is expressed in french gauge. Colour code / external diameter visible on cup connector. Material: Natural latex, silicone coated. Balloon capacity approximately 3 - 10ml. Initial sterilisation method: ethylene oxide gas.	CH 10 CH 12 CH 14 CH 18 Length 30 - 40 cm Balloon capacity 5 - 15 ml	EN 1616 or equivalent	UNICEF S0323300 Catheter, Foley, CH10, ster, disp UNICEF S0323301 Catheter, Foley, CH12, ster, disp UNICEF S0323302 Catheter, Foley, CH14, ster, disp UNICEF S0323303 Catheter, Foley, CH18, ster, disp
Intraosseous infusion system	*	x	Intraosseous, needle and catheter used for infusion if other alternative method is not possible. Including a device to reach intraosseous.	peadiatric		

Category	Item name	*** Recommended	ECU	ETC	WHO detailed description	Sizes	Certification or minimum testing	Other information, or just an example
		** Alternative * Optional		ETU				
	Intraosseous, needle and catheter	*		х	Needle: stainless steel, triple bevelled end, 45 degree angled, length: 3cm, lateral openings, located near the distal end of the cannula, positioning mark allowing to determine the depth of insertion, circular hub with plastic wings and Luer lock connector. Trocar: stainless steel, fitted with a plastic gripping handle (pommel). Sterile, single-use.	16G 18G		
	Oxygen prongs, nasal, non- sterile, single use	*			Nasal prongs (nasal cannula) is a device designed for easy administration of oxygen and comfort of patient. The device consists of a plastic tube which fits behind the ears, and a set of two prongs which are placed in the nostrils. Soft twin prongs nasal tips to ensure equal oxygen flow to both. Star lumen main tube to avoid accidental blockage. Adjustable, smoothly finished, nasal tips for maximum patient comfort. Soft funnel shaped connector to facilitate easy connection to oxygen source. Oxygen tube length: approximately 2m.	adult child neonate		UNICEF S0370100 Prongs, nasal, Oxygen, adult, s.u. UNICEF S0370110 Prongs, nasal, Oxygen, child, s.u. UNICEF S0370120 Prongs, nasal, Oxygen, neonate, s.u.
	Oxygen tube, extension	*		х	Tube used to deliver oxygen through the nose. Material: PVC. Automatic, open distal (patient) end, with 6 to 12 lateral eyes. Proximal end with connector enabling the tube to be connected to an oxygen supply tube of any diameter (e.g. serrated male conical tip). Sterile, for single patient use	Diameter: CH 10 Length: ± 40 cm		
	Syringe and needle, insulin type, sterile	*		х	Barrel: transparent polypropylene, capacity 1 ml, easy graduations: every 1 to 2 units, indicated insulin concentration (100 IU/ml). Plunger: polypropylene, polyethylene, perfectly fit to slide easily and smoothly inside the barrel. Gasket: synthetic elastomer (latex free), ensures an efficient seal. needle: stainless steel, mounted on syringe, with protective sheath.	1 ml	EN ISO 8537:2008 or equivalent	
	Tube, aspirating/feeding sterile, disposable	*			Enteral feeding/aspirating catheter. Single channel tube. Proximal end with cup connector, conical tip, allowing the tube to be connected to devices such as feeding syringes (catheter tip) or suction pump system. Open distal end with four side windows. Tube with markings at 40, 50, 60 and 70cm from the distal end. Diameter expressed in Charriere, French gauge. Length expressed in cm. Colour code/ external diameter: Visible on cup connector. Material: Polyvinyl chloride (PVC). Length approximately 125cm. Initial sterilisation method: Ethylene oxide gas.	CH08 CH12 CH16	MDD 93/42/EEC EN 1615 EN 550 or equivalent	UNICEF S0372000 Tube,asp/feed,CH06,L125cm,ster,disp UNICEF S0372010 Tube,asp/feed,CH08,L125cm,ster,disp UNICEF S0372020 Tube,asp/feed,CH12,L125cm,ster,disp UNICEF S0370500 Tube,asp/feed,CH16,L125cm,ster,disp
	Tube, feeding sterile, disposable	*		x	Sterile enteral feeding catheter for single use. Single channel tube. Proximal end with connector, Luer tip + stopper, allowing the tube to be connected to devices such as feeding syringes (Luer tip). Rounded, smooth distal end with two side windows. Tube with marking at 20cm from the distal end. Diameter expressed in Charriere, French gauge. Length expressed in cm. Colour code/ external diameter: Visible on connector. Material: Polyvinyl chloride (PVC). Initial sterilisation method: Ethylene oxide gas	CH08 CH12 CH16 Length 40 - 50 cm	MDD 93/42/EEC EN 1615 EN 550 or equivalent	UNICEF S0373000 Tube, feeding, CH08, L40cm, ster, disp
atory	Swab, cotton-tip, tube, sterile	***	x*1	х				
	Triple packaging boxes for specimen transport	***	x*1	х	triple packaging boxes for specimen transport			WHO guidance for transport of infectious substances
	Tube, blood collection, EDTA, sterile	***		х	vacuum tube used for blood collection with EDTA, sterile Capped with vacuum seal. Material: plastic	4ml 6ml		UNICEF S0001393 Tube, vacuum, EDTA, 4 ml UNICEF S0001394 Tube, vacuum, EDTA, 6 ml
	Tube, blood collection, serum	***		х	vacuum tube used for serum collection, sterile. Capped with vacuum seal. Material: plastic	4ml 6ml		UNICEF S0001395 Tube, vacuum, serum gel, 4 ml UNICEF S0001396 Tube, vacuum, serum gel, 6 ml
	Tube, blood collection, plain/dry	***		х	vacuum tube used for plain/dry blood collection without anticoagulant. Sterile. Capped with vacuum seal Material: plastic	4ml 6ml		UNICEF S0001397 Tube, vacuum, plain/dry, 4 ml UNICEF S0001398 Tube, vacuum, plain/dry, 6 ml
	Viral transport medium	***	x*1	х	Medium for specimen to transport to laboratory.			http://www.who.int/csr/resources/publications/ebola/laboratory-guidance/en/

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	Rapid diagnostic testing kits for Malaria, Point of care	***	Immunochromatographic rapid test for the qualitative detection of Palasmodium falciparum specific "histidine rich protein-II". Packed with disposable specimen applicator, lancets, alcohol swabs.			WHO key documents on Malaria Rapid Diagnostic Test Example: SD BIOLINE Malaria Ag P.f/Pan
	Blood chemistry and blood counter, point of care	**	Handheld device or compact bench top device for quantitative determination of clinical chemistry parameter, and for counting red blood cell, white blood cell and platelet with using test strip, sample tube or cartridges for single use. Operating conditions: Temperature between 5 to 45 degrees Celsius, Relative humidity max. 90% without condensation.			WHO Core: Haematology Point of Care Analyser
	Glucometer, point of care	*	Compact handheld point-of-care device for measuring automatically glucose in capillary whole blood. Measuring range approximately 0 to 500mg/dL. Reading time approximately 10 sec, Accuracy approximately CV <2% (Coefficient of Validation). Display informs glucose reading. Operating conditions: Temperature between 5 to 45 degrees Celsius, Relative humidity max. 90% without condensation.			UNICEF S0001557 PoC meter Glucose, electro-chemical Example: HemoCue

^{*1:} If Laboratory diagnostics is available.