



Interim list of WHO essential medicines necessary to treat Ebola cases based on existing guidelines

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

Main references

WHO Model List of Essential Medicines, 18th list, April 2013	http://www.who.int/medicines/publications/essentialmedicines/en/
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
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
Filovirus haemorrhagic fever guideline, MSF, 2008	http://www.slamviweb.org/es/ebola/FHFfinal.pdf
Ebola response roadmap, WHO, August 2014	http://www.who.int/csr/resources/publications/ebola/response-roadmap/en/

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.

ECU/CCC	ETC/ETU	Product	Specifications	Indications
x	x	Alcohol-based hand rub	Solution, 100ml bottle; 500ml bottle	Disinfectant
x	x	Amoxicillin	Solid oral dosage form: 250mg; 500mg (as trihydrate)	Antibacterial
	x	Ampicillin	Powder for injection, 500mg. 1g (as sodium salt) in vial	Antibacterial (in septic shocks management)
x	x	Artesunate + Amodiaquine	Tablet: 25mg + 67,5mg; 50mg + 135mg; 100mg + 270mg	Antimalarial (follow national guidelines)
x	x	Arthemether + Lumefantrine	Tablet: 20mg + 120mg (dispersible or not)	Antimalarial (follow national guidelines)
	x	Arthemether	Oily injectable: 80mg/ml in 1ml ampoule	Antimalarial
	x	Artesunate	Injection, ampoules containing 60mg anhydrous artesunic acid with a separate ampoule of 5% sodium bicarbonate solution	Antimalarial
x	x	Ascorbic acid (Vit C)	Tablet: 50mg	Vitamin supplementation
	x	Azythromycin	Capsule: 250mg; 500mg (anhydrous)	Antibacterial
	x	Ceftriaxone	Powder for injection: 1g (as sodium salt) in vial	Antibacterial (in septic shocks management)
	x	Chlorpromazine	Injection: 25mg (hydrochloride)/ml in 2ml ampoule	Confusion and aggression in non-cooperative patients
x	x	Ciprofloxacin	Tablet: 250mg (as hydrochloride)	Antibacterials (in septic shocks management)
x	x	Diazepam	Tablet (scored): 2mg; 5mg	Anxiety disorders
	x	Diazepam	Injection: 5mg/ml	Anxiety disorders, Convulsions
	x	Diazepam	Gel or rectal solution: 5mg/ml in 0.5ml; 2ml; 4 ml tubes	Anxiety disorders, Convulsions
	x	Dopamine	Injection: 40mg/ml (hydrochloride) in 5-ml vial	Cardiogenic shock
	x	Doxycycline	Solid oral dosage form: 100mg (as hyclate)	Antibacterial
	x	Epinephrine (adrenaline)	Injection: 1mg (as hydrochloride or hydrogen tartrate) in 1 ml ampoule	To manage shocks
	x	Ergometrine	Injection: 200mcg (hydrogen maleate) in 1ml ampoule	For post-partum or post-abortion haemorrhage
	x	Furosemide	Injection: 10mg/ml in 2 ml ampoule and 10mg, 20mg or 40 mg tablets	In case of overload of fluids, diuretics
	x	Furosemide	Tablet: 10mg; 20mg; 40mg	In case of overload of fluids, diuretics
	x	Gentamicin	Injection: 10mg; 40mg (as sulfate)/ml in 2-ml vial	Antibacterial
	x	Glucose	Injectable solution: 50% (hypertonic)	Sign of hypoglycemia
	x	Haloperidol	Injection: 5mg in 1 ml ampoule	Psychotic disorders, violent behaviour
	x	Hydrocortisone	Powder for injection: 100mg (as sodium succinate) in vial	Adjunct in the emergency treatment of shocks/after transfusion
	x	Insulin injection (soluble)	Injection: 40IU/ml in 10ml vial; 100IU/ml in 10ml vial	Antidiabetic
	x	Lidocaine	Injection: 1%; 2% (hydrochloride) in vial	Local anaesthetic
x	x	Loperamide	Solid oral dosage form: 2mg	Antidiarrhoeal medicine for adult
	x	Loratadine	Tablet: 10mg	Antiallergic and medicine used in anaphylaxis
	x	Magnesium sulfate	Injection: 500mg/ml in 2-ml ampoule; 500mg/ml in 10-ml ampoule	Eclampsia and severe pre-eclampsia
	x	Metoclopramide	Injection: 5 ml (hydrochloride)/ml in 2ml ampoule	Antiemetic
	x	Metoclopramide	Tablet: 10mg (hydrochloride)	Antiemetic
	x	Metronidazole	Injection: 500mg in 100ml vial	Antibacterial
	x	Metronidazole	Tablet: 200mg to 500mg	Antibacterial
	x	Morphine	Tablet (immediate release): 10mg (morphine sulfate)	Analgesic
	x	Morphine	Tablet (slow release): 10mg-200mg (morphine hydrochloride or morphine sulfate)	Analgesic
	x	Morphine	Injection: 10mg (morphine hydrochloride or morphine sulfate) in 1ml ampoule	Analgesic
	x	Naloxone	Injection: 400mcg (hydrochloride) in 1ml ampoule	Antidote morphin

x	x	Omeprazole	Solid oral dosage form: 10, 20, 40 mg	Antiulcer (for stress ulcer) and gastrointestinal upper-bleeding
x	x	Ondansetron	Solid oral dosage form: eq 4mg base; eq 8mg base; eq 24mg base	Antiemetic
	x	Ondansetron	Injection: 2mg base/ml in 2 ml ampoule (as hydrochloride)	Antiemetic
x	x	Oral rehydration salts	Powder in sachets for dilution in 200ml, 500ml or 1 liter	Rehydration
	x	Oxygen	Inhalation (medicinal gas)	Difficult breathing/respiratory distress
	x	Oxytocin	Injection: 10 IU in 1ml	For post-partum or post-abortion haemorrhage
x	x	Paracetamol	Tablet: 100mg to 500mg	Fever and analgesic
	x	Paracetamol	Suppository: 100mg	Fever and analgesic
	x	Phenobarbital	Injection: 200mg/ml (sodium)	Convulsions
	x	Phytomenadione (Vitamin K)	Injection: 10mg/ml in 5ml ampoule	For bleeding
	x	Potassium chloride	Solution: 11,2% in 20ml ampoule (equivalent to K+ 1,5mmol/ml, Cl:1,5mmol/ml)	Correction of electrolytes disturbances
	x	Ranitidine	Tablet: 150mg (as hydrochloride)	Antiulcer (for stress ulcer)
	x	Retinol (Vitamin A)	Capsule: 50,000 IU; 100 000 IU; 200 000 IU (as palmitate)	Vitamin supplementation
	x	Salbutamol	Inhalation (aerosol): 100mcg (as sulfate) per dose	Difficult breathing/respiratory distress
	x	Sodium bicarbonate	Injection: 8.4%, 1 Meq/ml, 20ml, ampoule	Metabolic acidosis
	x	Sodium chloride	Injectable solution: 0.9% isotonic (equivalent to Na+ 154mmol/l, Cl-154mmol/l)	Rehydration and medication administration
	x	Sodium lactate, compound solution (Ringer lactate)	Injectable solution, 500ml or 1000ml	Rehydration
x	x	Tetracycline	Eye ointment: 1% (hydrochloride)	Antiinfective
x	x	Zinc sulfate	Solid oral dosage form: 20mg	For diarrhoea in children
	x	Vitamin B Complex	Tablets	Vitamin supplementation

Note: To prevent sharp injuries, non-glass ampoules/vials are preferred, when possible, for injectable medicines that require breaking to open.