



Royal Flying Doctor Service

WESTERN OPERATIONS

The furthest corner. The finest care.

Clinical Manual

Part 5 Standard Aircraft Equipment List

Version 5.0
1 June 2008

STANDARD AIRCRAFT MINIMUM EQUIPMENT LIST

	SIZE	QTY	COMMENTS
AIRWAY & BREATHING			
Basic airway equipment			
Oropharyngeal Airways	4	2	With airway roll and in BVM case
	3	2	
	2	2	
	1	2	
	0	2	
Nasopharyngeal Airways	8	1	
	7	1	
	6	1	
Self-inflating adult bag-valve-mask assembly with reservoir bag and tubing.		1	eg Laerdal Silicone Resuscitator
Self-inflating child bag-valve assembly		1	Laerdal Child SR
BVM case		1	Laerdal Display Case
Demand resuscitator CIG with flow control or MTV-100		1	
Resuscitation masks	5	1	Suit BM or Demand Resuscitator
	4	1	
	3	1	
	2 (donut)	1	
	1 (donut)	1	
Oxygen & Suction			
Oxygen (aircraft supply plus optional D cylinders)		3000 - 6000 litres	
Portable oxygen supply	D	1600 litres	Removable from aircraft for field use
"O" series regulators		1 - 3	One per cylinder (removable)
Oxygen outlets		2 - 4	One per patient
Oxygen flowmeters CIG		2 - 4	One per available outlet up to 4
Oxygen cylinder key		1	
Twin-O-Vac venturi suction		2	
Yankauer rigid disposable sucker		2	
Suction tubing 2 metres		2	
Y-suction catheters	8	6	
	10	6	
	12	6	
	14	6	
Suction taps		2-3	
Disposable suction canisters & inserts		2-3	
Oxygen delivery			
Oxygen catheters	6F	1	
	8F	1	
Nasal prongs		1	
Simple (Hudson) face masks with tubing	Adult	3	
	Child	2	
Non-rebreather masks with reservoir bag	Adult	1	
Non-rebreather mask with reservoir bag	Child	1	

	SIZE	QTY	COMMENTS
Spare extension oxygen tubing & graduated connector	5 metres	1	
Nebuliser masks	Adult	1	
	Child	1	
Nebuliser attachment - ventilator circuit		1	To be kept with ventilator
Disposable paediatric circuit		1	May be kept with ventilator
Surgical airways			
Emergency Cricothyroidotomy Airway Resource Kit (RPH)		1	RPH Department of Anaesthetics & Pain Medicine (Pre-packed Kit)
14G Venflon cannula and 10mL syringe		1	Section 1
10mL syringe		1	
Minitrach II (Seldinger)		1	Section 2
Portex Tracheostomy tube 6.0mm		1	Section 3
Disposable scalpel (No. 11 blade)		1	
10mL syringe		1	
Emergency Jet Ventilation Y-connector & tubing		1	Section 4
Intubation equipment			
Laryngoscope handles (standard C size, non-fibreoptic)	Medium	2	(One may be carried with ventilator accessories).
Laryngoscope blades Macintosh (standard, non-fibreoptic)	Large	1	
	Medium	1	
	Child	1	
Neonatal laryngoscope blade Miller straight	Neonate	1	
Spare batteries for laryngoscope	"C" cells	2	
Spare bulbs for laryngoscope		2	
Magill's forceps	Adult	1	
	Child	1	
Introducers ("Satin slip")	Adult	1	
	Child	1	
Disposable catheter mount		1	
Cloth tape 1cm width, 1 metre length		2	
Heat & moisture exchanger with bacteriostatic filter	Adult	1	eg Humidivent
	Child	1	
Heat & moisture exchanger "T" piece "Swedish Nose"		1	To be kept with ventilator
Oxygen attachment clip for "Swedish Nose"		1	To be kept with ventilator
KY jelly (sterile sachets)		2	
Endotracheal tubes – cuffed	6	1	Portex connectors, sterile
	7	1	
	8	1	
	9	1	
Endotracheal tubes - uncuffed	6	1	Portex connectors, sterile
	5	1	
	4	1	
	3	1	
	2.5	2	
Gum elastic bougie		1	
Laryngeal mask airways	1	1	

	SIZE	QTY	COMMENTS
	2	1	
	3	1	
	4	1	
10 mL syringe		1	
Normal saline	10mL	1	
Small artery forceps (guarded)		1	
Chest drainage equipment			
Intercostal catheters (Argyle) with trocar	32F	2	Graduated end for direct connection to Heimlich valve
	24F	2	22F not available
	10F	2	
Pneumostat drain (small)		2	Large Atrium drains kept at Base for selected cases
Graduated connectors		2	
Short sterile connector tubing 5cm		4	
Large guarded artery clamps		2	Clamping ICC's
Plastic disposable underwater drainage bottles with connecting tubing (Meraseal)			Available at base
CIRCULATION			
Intravenous access			
Angiocaths (unprotected)	14G Long	2	Long - needle thoracocentesis
Intravenous cannulae (Protective) self sheathing	14G Short	2	Short - vascular access
	16G	2	
	18G	2	
	20G	2	
	22G	2	
	24G	2	
Scalp veins (butterfly sets)	21G	2	
	25G	2	
Intraosseous needle (Cook) metal hub		1	
Central venous catheter set (triple lumen)		1	
Umbilical catheter set	3.5	1	
	5	1	
CVP manometer set		1	Retain at base
Pericardiocentesis needle (14G long spinal needle)		1	
IV cannulae injection ports (needle-free)		6	Smartsite
Three-way taps, screw lock		2	
Multiflow adaptors (1:3)		1	
Extension tubing (75 cm) Luer Lock		1	Also with syringe drivers
Tourniquets, elastic, plastic clip		2	
Adhesive sterile dressings		6	eg Cutiplast
Razor (disposable)		1	
Splints - cubital fossa		2	
- forearm (adult)		1	
- forearm (child)		1	
Arterial lines			

	SIZE	QTY	COMMENTS
Radial Artery Catheterisation Set [Arrow "Quickflash" RA-04220]	20g x 1-1/2 inch.	1	(With arterial line box, taken as required).
Intravenous cannulae (unprotected)	20g	2	Arterial line box
IV administration			
Blood transfusion set (with hand pump)		2	
Giving set with Y-injector sites		2	IVAC lines (1 x each type)
Paediatric chamber (burette)		1	
Pressure bags with gauge		2	Suitable arterial or IV lines.
IV fluids			
Polygeline (Haemaccel/Gelofusine)	500 mL	4	
Normal Saline	500 mL	4	
Dextrose 5%	500 mL	2	
2.5% Dextrose +1/2 Normal Saline	500 mL	1	
10% Dextrose	500 mL	1	
Mannitol 20% (100G)	500 mL	1	Stored with IV fluids but also cross-referenced on drug list
IV additive labels		10	
Hartman's solution	500ml	2	
Normal Saline bag	100ml	2	
Syringes & needles			
Syringes	50 mL	2	And with syringe drivers
	20 mL	6	
	10 mL	6	
	5 mL	6	
	2 mL	6	
	1 mL	6	
Luer lock caps (for syringes)		6	
Isopropyl alcohol wipes		20	Quantities consolidated
Needles - 18/19 G blunt drawing up	18/19G	6	
	21 G	6	
	23 G	6	
	25 G	6	
DRESSINGS			
Triangular bandages		2	
Field dressings OR		4	
large combines + 10cm crepe bandages			
Crepe bandages	15 cm (6")	4	
	10 cm (4")	2	
	5 cm (2")	2	
Small combines		2	
Non-stick wound dressings (eg Melolin)	Large	2	
Gauze swabs		6 packs	
Eye pads		4	
Band-aids		1 small pack	
Steristrips (wide)		1 pack	
Adhesive tape - Fixomull	5 cm?	1	15-20 cm strip
Adhesive tape - Microfoam	2 cm	1 roll	
Adhesive tape - Leukoplast/Elastoplast	1.25 cm	2 roll	
Adhesive tape, waterproof - Sleek	2.5 cm	1 roll	

	SIZE	QTY	COMMENTS
Safety pins	Large	6	
Antiseptic solution - Povidone Iodine	30 mL	3	Swab sticks
Antiseptic solution - Chlorhexidine aqueous	20 mL	2	
Dressing pack – disposable		2	
Sterile towel (fenestrated) – disposable		2	
SUTURE & CUT-DOWN			
Dressing packs - disposable		1	
Dissecting forceps (toothed)		1	All instruments sterile
Fine "vein" scissors		1	
Suture scissors		1	
Needle holder		1	
Mosquito artery clamps		2	
Large artery clamps		2	
Disposable scalpels	No 11	1	
	No 23	1	
Suture silk with atraumatic curved needles	000	1	Securing ICC's/ as ties
	3/0	1	
Catgut (chromic)	3/0	1	
NASOGASTRIC			
Nasogastric tubes	6	1	
	8	1	
	10	1	
	14	1	
Salem Sump NG Tubes	12	1	
	14	1	
Drainage bags		2	
Litmus paper		1 pack	
Lubricant jelly sachets		1	
OBSTETRIC			
Cord clamps (plastic)		2	
Kocker's forceps (sterile)		2	
Episiotomy scissors (sterile)		1	
Incontinent sheets		4	
Name bands (white or clear)		2	
Thermal pack		1	
Bubble wrap		1	
Cuddly rug		2	
Tubes for cord blood	Plain	2	
	EDTA	1	
URINARY CATHETER			
Foley's catheters	10F	1	
	12F	1	
	14F	1	
	16F	1	
Drainage bags with release valve		2	
Paediatric urine collectors		2	
Lignocaine gel syringe		1	
Chlorhexidine solution	20 mL	1	

	SIZE	QTY	COMMENTS
10 mL syringe		1	
10 mL water		1	
Urinary drainage bag, hourly measure		1	Available at base.
Suprapubic catheter set		1	Available at base.
SPLINTS & IMMOBILISATION			
Vacuum mattress		1	Taken as required.
Scoop stretcher		1	Taken as required. (Not standard on all aircraft).
Multipurpose bandages (Easton)		2	
Head immobiliser (Ferno)		1	
Child's seatbelt attachment		2	
Arm and leg restraints (Psychiatric)		1 set	
Cervical collars (Stifneck Select)	Adult	2	Adjustable
Cervical collars (Stifneck Paediatric)	Child	1	
Cervical collars (Stifneck Baby No-Neck)	Child	1	
Carrying case (Stifneck)		1	
Hare traction splint (or Donway)		2	Available at base
Limb splints (SAM mouldable 36")		2	
DIAGNOSTIC			
Stethoscope	Adult	1	
Adult large cuff		1	
Adult standard cuff		1	
Child cuff		1	
Infant cuff		1	
Thermometer (electronic)		1	
Torch (pen)		1	
Urine testing strips		1 bottle	
Blood glucose test strips		1 bottle	
Lancets		5	
Glucometer		1	
Diagnostic set (Welch Allyn) in case & spare batteries		1	
Patella Hammer (small)		1	
Doppler stethoscope & spare batteries		1	
Plain Glass Tube		1	Whole Blood Clotting Test
DOCUMENTATION & REFERENCES			
Reference: Drug Doses RCH 13 th Ed.		1	
Reference: Intensive Care Manual 5 th Ed		1	
Reference: Survival handbook "Stay Alive"		1	
Stationery - Pre-flight Assessment Pads		1	
Stationery - Flight Registration Books		1	
Stationery - In-flight Observation Charts		1	
Stationery - Transfer Envelopes (spare)		3	
Stationery - Valuables Envelopes		5	
Emergency Psychiatric Treatment Forms		5	
Laminated instructions for Escorts		1	
MISCELLANEOUS			
Large plastic bags		2	

	SIZE	QTY	COMMENTS
Small plastic bags		4	
Sic sacs		6	
Torch (general purpose)		1	Petzel
Incontinent sheets			Some with obstetric pack
Bedpan		1	
Bedpan - slipper		1	Additional
Adsorbent granules			
Urinal (non-spill)		1	
Paper cups		8	
Drinking straws		8	
Air freshener spray		1	
Insect repellent - topical		1	
Insect repellent - spray		1	
Tissues facial		1 box	
Pre-moistened wipes (eg Wet Ones)		1 pack	
Plastic bucket/container with lid	5-10 litre	1	Multiple uses & waste disposal.
Scissors - heavy duty, non-sterile		1	
Scissors - standard dressing, non-sterile		1	
Mouth care - Swabs		6	
- Normal saline sachets	30 mL	6	
- Lanoline		1 tube	
KY jelly		4	
Chux wipes		6	
Sanitary pads		1 pack	
Disposable nappies	Small	2	5-10 kg
	Large	2	10-15 kg
Arm rests	Long	2	Or Lifeport armboards
PROTECTIVE EQUIPMENT			
Gloves - sterile	6/0	2 pairs	
	6.5	2 pairs	
	7	2 pairs	
	7.5	2 pairs	
	8	2 pairs	
Gloves - non-sterile	small	5 pair	
	medium	5 pair	
	large	5 pair	
Fluidshield PR95 protective masks		6	
Earplugs foam		10 pair	
Protective glasses		2 pair	
Sunglasses		1 pair	For patient use
Sharps container		2	
Chlorhexidine hand lotion		1	
Antiseptic hand rub with Chlorhexidine Gluc 0.5%		1	
LINEN			
Stretcher packs containing sheet, canvas,		2	1 per stretcher

	SIZE	QTY	COMMENTS
pillow, pillowcase & blanket			
Space blankets (foil)		2	
Blankets (additional)		2	
Pillow (additional)		1-2	
LIFEPORT EQUIPMENT			
Aerosled Arch with adjustable IV pole		2	One per stretcher
Pump pole 9"		2	One per arch
Equipment rotating mounts (for large Propaq bracket, Oxylog or Lifepak 10)		2	Two per arch
Equipment screw pole mount - for small Propaq bracket		2	One per arch
Thumbscrews for Aero Sled Arch		4 small 4 large	
Loading accessories (clipdeck, load ramp, fillet insert, fwd stretcher extension plate, gurney, hydraulic pump or similar)			Lifeport equipped aircraft only
OTHER			
Headsets		2	
Keys (base buildings/ aircraft etc.)			
Safety briefing card			
Wet weather gear		3	
Large Clear plastic sheet		1	
Hard Esky		1	Specimen Transport
Water (drinking)		2 litre	In plastic container
Variety of cargo tie downs & restraint items (not medical equipment, but list in aircraft layout for completeness.)			
ELECTROMEDICAL			
Propaq (small)		1	Rear stretcher arch
DC Power Cable - Propaq		2	Front & rear stretcher position
Mains Power Cable - IVAC		1	
Digital camera & 250MB memory card		1	
Alkaline AA batteries (spare)		2	With camera case

The above list outlines the Standard Minimum Equipment available on any RFDS aeromedical aircraft. The distribution and layout on different aircraft types will vary, depending on the storage space available, and is outlined in separate layout lists.

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