

**RARELY USED DRUGS
AND DRUGS USED IN AN EMERGENCY**

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List of items held in West Midlands Hospitals

Edited by

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TABLE 1.
RARELY USED AND EMERGENCY DRUGS - WEST MIDLANDS LIST

	DRUG	PRESENTATION	INDICATION	BNF CODE
1	BOTULISM ANTITOXIN	Vial	Post-exposure prophylaxis and treatment of botulism	14.4
2	DANTROLENE INJECTION (Dantrium)	Vial 20mg for reconstitution	Treatment of malignant hyperthermia	15.1.8
3	DEFERRIOXAMINE POWDER (Desferal)	Vial 500mg for reconstitution	Treatment of acute and chronic iron overload and iron poisoning	9.1.3
4	DIGOXIN-SPECIFIC ANTIBODY FRAGMENTS (Digibind)	Vial 38mg for reconstitution	Treatment of digoxin/digitoxin overdose	2.1.1
5	DIPHtheria ANTITOXIN	Vial 10,000 units/5ml	Post-exposure prophylaxis of diphtheria	14.4
6.	DOXYCYCLINE INJECTION*	100mg	1) Use on specialist microbiologist recommendation 2) alternative to Tetracycline injection for pleurodesis	
7	HEPATITIS B IMMUNOGLOBULIN (HBIG)	Vial	Post-exposure prophylaxis of hepatitis B	14.5
8	HUMAN NORMAL IMMUNOGLOBULIN	Vials of 250mg or 750mg	Control of specific viral outbreaks	14.5
9 a)	MAGNESIUM SULPHATE INJECTION, 50%	50% 2ml, 10ml	Severe cardiac arrhythmias, especially in presence of hypokalaemia Hepatic encephalopathy	9.5.1.3
b)	MAGNESIUM SULPHATE ORAL SOLUTION 40%	200ml		
10	PHENOXYBENZAMINE INJECTION		Phaeochromocytoma and adjunct in severe shock	2.5.4
11	PRALIDOXIME MESYLATE INJECTION	Ampoules 200mg/ml, 5ml	Treatment of organophosphorus poisoning	Emergency treatment of poisoning section
12	RABIES IMMUNOGLOBULIN (Antirabies Immunoglobulin)	Vial	Post-exposure prophylaxis of rabies	14.5
13	RABIES VACCINE (Human Diploid Cell Vaccine)	Vial	Pre- and post-exposure prophylaxis/treatment of rabies	14.4
14	RIBAVIRIN INHALATION (Virazid)	Vial 6g for reconstitution	Treatment of RSV infections in children	5.3.5
15	SODIUM NITRITE INJECTION	Ampoule 300mg/10ml	Treatment of cyanide poisoning	Emergency treatment of poisoning section
16	SODIUM THIOSULPHATE INJECTION	Ampoule 50%, 50ml	Treatment of cyanide poisoning	Emergency treatment of poisoning section
17	TERLIPRESSIN INJECTION (Glypressin)	Vial 1mg for reconstitution	Treatment of haemorrhagic oesophageal varices	6.5.2
18	TOLAZOLINE INJECTION ⁺	Ampoules 10mg/ml x 10	Treatment of pulmonary hypertension in neonates	
19	TOLAZOLINE INJECTION ⁺	Ampoules 25mg/ml x 10	Treatment of pulmonary hypertension in neonates	
20	TRISODIUM EDETATE INJECTION (Limclair)	Ampoule 1g/5ml x 6	Treatment of hypercalcaemia	9.5.1
21	TROMETAMOL INJECTION (TRIS/THAM) ⁺	Vial (various strengths)	Treatment of metabolic acidosis	
22	VARICELLA-ZOSTER IMMUNOGLOBULIN (VZIG)	Vial	Prophylaxis of Varicella Zoster in high risk patients	14.5

23	WASP VENOM EXTRACT (Pharmalgen)	Vial	Hyposensitisation of wasp strings	3.4.2
24	ZAGREB ANTIVENOM (European Viper Venom Antiserum)	Vial	Treatment of adder bites	Emergency treatment of poisoning section

NB Gas gangrene antitoxin is no longer held by any hospital in the West Midlands.

* Unlicensed product in UK

+ Available as a "special"

TABLE 2

STRATEGIC HEALTH AUTHORITY	HOSPITAL	CODE	LOCATION	TELEPHONE	DAYTIME CONTACT	OUT-OF-HOURS CONTACT
CENTRAL	CHILDREN'S HOSPITAL BIRMINGHAM	F Fb	Pharmacy To be advised	0121 333 9772	Direct Line	On-call Pharmacist via switchboard
	CITY HOSPITAL	A Ab	Pharmacy Poisons Unit	0121 507 5253	Direct Line	Switchboard 0121 554 3801
	GOOD HOPE HOSPITAL	C	Emergency Bay	0121 378 2211	Ext. 2290/2292	On call pharmacist via switchboard
	HEARTLANDS HOSPITAL (Heart of England NHS Trust)	B Bb Bc	Pharmacy Main theatres Ortho theatre	0121 424 2000	Ext. 42470	Resident Pharmacist via switchboard
		Bd	Public Health Laboratory			
	MANOR HOSPITAL, WALSALL	S	Pharmacy Emergency Cupboard	01922 721 172	Ext.6609/6746	On-call pharmacist via switchboard
		Sb Sc Sd	Neonatal Unit A & E Dept. West Wing Theatres			
		V Vb Vc Vd	Pharmacy To be advised Eye Infirmary Neonatal Unit			
NEW CROSS HOSPITAL, WOLVERHAMPTON	V Vb Vc Vd	Pharmacy To be advised Eye Infirmary Neonatal Unit	01902 307 999	Ext. 2779	On-call pharmacist via switchboard	
QUEEN ELIZABETH HOSPITAL	D Db	Pharmacy Theatre 1	0121 627 2323	Direct Line	On-call pharmacist via switchboard 0121 472 1311	
RUSSELLS HALL HOSPITAL, DUDLEY	I Ib	Pharmacy Theatres	01384 456 1111 Ext. 4515/4521	0900-1700	On-call pharmacist via switchboard 01384 456 111	
			01384 456 1111 Ext. 2448/2449	0700-0900 1700-1900		

STRATEGIC HEALTH AUTHORITY	HOSPITAL	CODE	LOCATION	TELEPHONE	DAYTIME CONTACT	OUT-OF-HOURS CONTACT
	SANDWELL HOSPITAL	M Mb	Pharmacy ITU	0121 553 1831	Ext. 3639	On-call pharmacist via switchboard
	SELLY OAK HOSPITAL	E Eb Ec	Pharmacy Main Theatres Pharmacy Out of Hours Store	0121 627 8153	Direct Line	On-call pharmacist via switchboard 0121 627 1627
	SOLIHULL HOSPITAL (Heart of England NHS Trust)	P Pb Pc Pd	Pharmacy Emergency Cupboard Main Theatre A & E Dept.	0121 424 2000 (switchboard)	Ext. 45501	On-call pharmacist for Heartlands via switchboard 0121 424 2000
NORTH	UNIVERSITY HOSPITAL OF NORTH STAFFORDSHIRE	L Lb	Emergency Drug Room A & E Dept. Pharmacy Stores	01782 553 664 01782 554 008 01782 552 295	Direct Line	On-call Pharmacist via switchboard 01782 715 444
	PRINCESS ROYAL HOSPITAL, TELFORD	O	Pharmacy	01952 641 222	Ext. 4360	On-call pharmacist via switchboard
	QUEENS HOSPITAL, BURTON ON TRENT	Q	Theatres	01283 566 333	Ext. 5110	On call pharmacist via switchboard
	ROYAL SHREWSBURY HOSPITAL	N Nb	Pharmacy Intensive Care Unit	01743 261175	Direct Line	On-call pharmacist via switchboard 01743 261 000
	MID STAFFORDSHIRE GENERAL HOSPITAL	R Rb	Emergency Cupboard Theatres	01785 230 463	Direct Line	On-call pharmacist via switchboard 01785 257 731
SOUTH	ALEXANDRA HOSPITAL, REDDITCH	W Wa Wb	Pharmacy Emergency Cupboard Theatres To be advised	01527 512086	Direct Line	On-call Pharmacist via switchboard 01527 503 030
	GEORGE ELIOT HOSPITAL, NUNEATON	T Tb	Pharmacy Theatres	01203 351 351	Ext. 5084/ 3258	On-call pharmacist via switchboard

STRATEGIC HEALTH AUTHORITY	HOSPITAL	CODE	LOCATION	TELEPHONE	DAYTIME CONTACT	OUT-OF-HOURS CONTACT
	HEREFORD COUNTY HOSPITAL	K Kb	Pharmacy Emergency Cupboard Cupboard Casualty Dept. Hereford General Hospital Theatre	01432 364 016	Direct Line	On-call pharmacist via switchboard
	KIDDERMINSTER	Y Yb Yc Yd Ye	Pharmacy Emergency Cupboard Main Theatre Tenbury Hospital Casualty Dept Lea Castle Centre To be advised	01562 823 424	Ext. 3142	On-call Pharmacist via switchboard
	WALSGRAVE HOSPITAL, COVENTRY	G Gb	Pharmacy Theatres	01203 602 020	Ext. 8500	On-call pharmacist via switchboard
	WARWICK HOSPITAL	U Ub Uc	Pharmacy Theatres Whittaker Ward			
	WORCESTER ROYAL INFIRMARY (Ronkswood branch)	X Xb Xc Xd Xe Xf Xg	Ronkswood Emergency Room Ronkswood Theatre Castle Street Theatre A & E Dept. Evesham Hospital Theatre Ward R3 Pharmacy Store	01905 760610	Direct Line Ronkswood Pharmacy	On-call pharmacist via switchboard 01905 763333

TABLE 3
AVAILABILITY OF NAMED ITEMS

	DRUG	UNIT OF PRESENTATION	HOSPITAL	HOSPITAL CODE	UNITS NORMALLY HELD
1	BOTULISM ANTITOXIN	Vial	Selly Oak (see appendix 1)	Ec	3
2	DANTROLENE INJECTION (Dantrium)	20mg vial for reconstitution	City Hospital	A	12
			Heartlands	Bc Bb	12 12
			Good Hope	C	36
			Queen Elizabeth	D Db	6 12
			Selly Oak	Eb	12
			Birmingham Children's	Fb	12
			Walsgrave	Gb	12
			Russells Hall	Ib	6
			Hereford County	K	24
			North Staffordshire	L	12
			Sandwell District General	M Mb	1 1
			Royal Shrewsbury	N Nb	24 12
			Princess Royal	O	6
			Solihull	Pb Pc	12 12
			Queen's Burton	Q	24
			Stafford District General	R Rb	12 12
			Manor	Sd S	12 15
			George Eliot Hospital	Tb	12
			Warwick	Ub	24
			New Cross Hospital	V Vc	20 4
			Alexandra	W Wb	24 12

	DRUG	UNIT OF PRESENTATION	HOSPITAL	HOSPITAL CODE	UNITS NORMALLY HELD
			Worcester Royal Infirmary	Xb	18
				Xc	18
				Xe	12
			Kidderminster General	Y	12
				Yb	12
				Yc	12
3	DEFERRIOXAMINE POWDER (Desferal)	500mg, 2gm, vial for reconstitution	Heartlands	B	6
			Good Hope	C	30
			Queen Elizabeth	D	10 x 2g, 50 x 500mg
			Selly Oak	E	15 x 2g
			Birmingham Children's	F	50 x 10
			Walsgrave	G	20
			Russells Hall	I	10
			Hereford County	K	10
			North Staffordshire	L	10 x 500mg
			Sandwell District General	M	10
			Royal Shrewsbury	N	10 x 500mg + 10 x 2g
			Princess Royal Hospital	O	500mg x 5
			Manor	Sc	15
			New Cross Hospital	V	2gm x 4
				Vb	10
			Alexandra	Wa	10
			Worcester Royal Infirmary	X	10
				Xd	10
			Kidderminster General	Y	10
4	DIGOXIN-SPECIFIC ANTIBODY	38mg vial for reconstitution	City	A	1
			Heartlands	B	4
			New Cross Hospital	V	6 vials
5	DIPHtheria ANTITOXIN	100,600 units in 5ml vial	Heartlands	B	1 x 10
6	DOXYCYCLINE INJECTION	100mg	Selly Oak	E	5 x 100mg
7	HEPATITIS B	Vial 10MCG/ML	Heartlands	Bd	
			Good Hope	C	1 amp

	DRUG	UNIT OF PRESENTATION	HOSPITAL	HOSPITAL CODE	UNITS NORMALLY HELD
	IMMUNOGLOBULIN (HBIG)	500 units (named patient supply)	Queen Elizabeth Hospital	D	20 x 500 units of commercially available product – Hepatect. NOT named patient supply
			Children's	F	
8	HUMAN NORMAL IMMUNOGLOBULIN (HNIG)	Vials containing 250mg or 750mg	New Cross	V	16 x 5g
9a)	MAGNESIUM SULPHATE INJECTION	50%, 2ml, 10ml	City	A Ab	5 1
			Heartlands	B	1
			Good Hope	C	1 x 10 x 10ml
			Queen Elizabeth	D	10 x 10 x 10ml
			Selly Oak	E	3 x 10 x 10ml
			Children's	F	30 x 10 x 2ml
			Walsgrave	G	20 x 10ml
			Russells Hall	I	1 x 10 x 10ml
			North Staffordshire	L L	10 x 10 x 2ml 1 x 200ml Mixture 400mg/10ml
			Hereford County	K	10 x 10ml
			Royal Shrewsbury	N	20 x 10ml and 100 x 2ml
			Princess Royal	O	50 x 2ml
			Solihull	P	1 x 10 x 2ml
			New Cross	V	30 x 10ml
			Alexandra	W Wa	1 x 10 x 2ml 6 x 10 x 10ml
			Kidderminster General	Y	1 x 2ml

	DRUG	UNIT OF PRESENTATION	HOSPITAL	HOSPITAL CODE	UNITS NORMALLY HELD
9(b)	MAGNESIUM SULPHATE ORAL SOLUTION	40%, 20ml	Heartlands Queen Elizabeth	B D	1 1 x 200ml
10	PHENOXYBENZAMINE INFUSION CONCENTRATE	50mg per ml, 2ml For dilution before use	Birmingham Children's	F	
			Worcester Royal Infirmary	Xf	1 x 5
			New Cross	V	1 x 3
			Royal Shrewsbury	N	2ml x 3
11	PRALIDOXIME MESYLATE INJECTION	Ampoules 200mg/ml, 5ml	City Hospital	Ab	1 x 4
			Hereford County	K	4 x 5
			North Staffordshire	L	1 x 5
			Stafford District General	R	4 x 5
			Royal Shrewsbury	N	10
			Princess Royal	O	5ml x 6
			Worcester Royal Infirmary	X Xd	1 x 5 1 x 5
			12	RABIES IMMUNOGLOBULIN (Antirabies Immunoglobulin)	Vial
13	RABIES VACCINE (Human Diploid Cell Vaccine)	Vial	Heartlands	Bd	30
			North Staffordshire	L	(none in stock)
14	RIBAVIRIN (Ribavirin) INHALATION (Virazid)	6g vials for reconstitution	City	A	1
			Heartlands	B	3
			Queen Elizabeth	C	2
			Children's	F	2
			Sandwell District General	M	3
			Manor	S	2
			New Cross	V	2 x 3 (over winter period)
			Alexandra	W Wa	1 x 3 2 x 3
			Worcester Royal Infirmary Kidderminster General	Xf Y	? 1

	DRUG	UNIT OF PRESENTATION	HOSPITAL	HOSPITAL CODE	UNITS NORMALLY HELD
15	SODIUM NITRITE INJECTION	Ampoule 300mg in 10ml	City	A	No longer routinely held. Supply difficulties
			Selly Oak	Ec	2
			Hereford County	K	1
			North Staffordshire	L	1 x 10ml
			Royal Shrewsbury	N	2
			Solihull	P Pd	1
16	SODIUM THIOSULPHATE INJECTION	Ampoule 50%, 50ml, 20ml	City	Ab	1
			Heartlands	B	5
			Selly Oak	Ec	2 x 20ml
			Children's	F	On order
			Russells Hall	I	2
			Hereford County	K	10 x 20ml
			North Staffordshire	L	10 x 50ml
			Sandwell District General	M	10
			Royal Shrewsbury	N	5 x 20ml
			Worcester Royal Infirmary	Xd	5
			17	TERLIPRESSIN INJECTION (Glypressin)	1mg vial for reconstitution
Queen Elizabeth	D	20 x 5			
Selly Oak	E	4 x 5			
Children's	F				
Walsgrave	G	4			
Russells Hall	I	10 vials			
Hereford County	K	5			
North Staffordshire	L	1 x 5			
Royal Shrewsbury	N	20			
Princess Royal	O	1mg x 25 vials			
Solihull	P Pb	5 4			
Stafford District General	R	5			
Manor	S	5			
Alexandra	W	3 x 5			

	DRUG	UNIT OF PRESENTATION	HOSPITAL	HOSPITAL CODE	UNITS NORMALLY HELD
				Wa	4 x 5
			New Cross	V	10
			Kidderminster General	Y	5
18	TOLOZALINE INJECTION	10mg/ml ampoules	Good Hope Hospital	C	1 x 10
19	TOLOZALINE INJECTION	25mg/ml ampoules	City	A	1 x 10
			Heartlands	B	2 x 10
			Good Hope Hospital	C	1 x 10
			Queen Elizabeth	D	1 x 10
			Children's	F	2 x 10
			Walsgrave	G	1 x 10
			Russells Hall	I	1 x 10
			Hereford County	K	1 x 5
			Sandwell District General	M	1 x 10
			Royal Shrewsbury	N	5
			Manor Hospital	Sb	1 x 10
			New Cross Hospital	V	1 x 10
20	TRISODIUM EDETATE INJECTION	1G/5ml ampoules	City	A	1 x 6
			Good Hope	C	1 x 6
			Selly Oak	Ec	1 x 5
			Stafford District	R	1 x 6
			Manor	Sc	1 x 6
			New Cross	V	1 x 6
				Vc	1 x 6
21	TROMETAMOL (TRIS THAM) INJECTION	Vial	Heartlands	B	4 x 5 (7%, 5ml)
			Selly Oak	Ed	1 x 10
			Walsgrave	G	2 x 10 (3.6%, 250ml)
			North Staffordshire	L	1 x 10 (7.2%, 5ml)
			Manor	Sb	10 amps
			New Cross	Vd	1 x 10 (7.2%, 5ml)
22	VARICELLA ZOSTER VARICELLA IMMUNOGLOBULIN (ANTI-ZOSTER IMMUNOGLOBULIN)	Vial	Heartlands	Bd	?
			Childrens Hospital	F	5

	DRUG	UNIT OF PRESENTATION	HOSPITAL	HOSPITAL CODE	UNITS NORMALLY HELD
23	WASP VENOM EXTRACT (Pharmalgen)	Vial	City Hospital	A	No longer routinely held. Supply difficulties
			Hereford County Hospital	K	1 (No longer routinely held in stock due to Supply difficulties)
		(Starter pack)	Royal Shrewsbury	N	4
		Warwick	Uc	4	
24	ZAGREB ANTIVENOM (EUROPEAN VIPER VENOM ANTISERA)	Vial	City	A	1
				Ab	
			Heartlands	B	1
			Hereford County Hospital	K	2
			North Staffordshire	Lb	1
			Royal Shrewsbury Hospital	N	2
			Princess Royal	O	1
			Worcester Royal Infirmary	X	1
				Xd	1
Kidderminster General	Y	2			
	Yc	1			
	Yd	1			
	Ye	1			

APPENDIX 1.

Additional items notified :

Antithymocyte globulin (ATG)	Queen Elizabeth Hospital
Antilymphocyte globulin (ALG)	Birmingham Childrens' Hospital Queen Elizabeth Hospital
CI esterase inhibitor 500 units x 3 vials	Manor Hospital Selly Oak Hospital (2 only)
Haem Arginate ampoules 250mg/10ml x 4 amps	Manor Hospital Queen Elizabeth Hospital (4)
Molar Hydrochloric Acid solution - 1mmol. In 1ml 20ml amps	Queen Elizabeth Hospital Available from Sterile Fluids Manufacturing Unit

Botulism Antitoxin:

Currently (at August 2005) Botulism Antitoxin is in stock at Selly Oak Hospital (the designated holding centre) however, at times, it remains difficult to obtain replacement stock. Should it not be available at Selly Oak then the Dept. of Health has advised that the nearest designated holding centres to the West Midlands are:

Pharmacy Dept Nottingham City Hospital Hucknall Road Nottingham NG5 1PB	Tel. 0115 962 7676
Pharmacy Dept. Manchester Royal Infirmary Oxford Road Manchester M13 9WL	Tel. 0161 276 4624
Pharmacy Dept. Southmead Hospital Westbury on Trym Bristol BS10 5NB	Tel. 0117 950 5050