

12 VACCINES, ANTISERA & IMMUNOLOGICALS

12.01 VACCINES

GENERIC (TRADE) NAME	CAT.	INDICATION/DOSE
Diphtheria, Tetanus and Pertussis Adsorbed Vaccine 10 doses/5ml (DTPer/Vac/Ads) °Fridge Item	NF- one dose prep EDL	Primary immunisation of children: deep SC/IM 0.5ml at 6 weeks old followed by second and third dose with an interval of 4-6 weeks; reinforcement at school entry: 0.5ml.
Diphtheria and Tetanus Vaccine Single Dose (Adult) (DT/Vac/Ads(Adult)) °Fridge Item		Primary immunisation of adults or children > 10 yo not previously immunized: deep SC/IM 0.5ml, 3 doses at intervals of 4 wks. Booster dose 0.5ml.
Haemophilus influenzae type B Single Dose Vaccine (HIB) °Fridge Item	 EDL	Primary immunisation of child < 13 mth old: deep SC/IM 0.5ml 3 doses at 4 wk intervals. Primary immunisation of child 13 mth - 4 yo or high risk/asplenia: single dose 0.5ml.
Hepatitis A Vaccine Injection Single Dose (Havrix Monodose) °Fridge Item	 EDL	Adults: IM 1ml single dose, booster dose 1ml 6-12 months after first dose. Child 1-15 yo: 0.5ml single dose, booster dose 0.5ml 6-12 months after first dose.
Hepatitis B Vaccine Injection Single Dose (Adult) (Engerix B) °Fridge Item	 EDL	Primary immunisation of adults: 3 doses, IM 1ml, give 1 st dose, 2 nd dose 1 mth after 1 st dose, 3 rd dose 6 mth after 1 st dose.
Hepatitis B Vaccine Injection Single Dose (Paediatric) (Euvax) °Fridge Item	 EDL	Primary immunisation of child 1-15 yo: 3 doses, IM 0.5ml - 1 st dose, 2 nd dose 1 mth after 1 st dose, 3 rd dose 6 mth after 1 st dose.

Cont. next page

GENERIC (TRADE) NAME	CAT.	INDICATION/DOSE
Hepatitis A & B Vaccine Injection Single Dose (Adult) (Twinrix) °Fridge Item	NF EDL	Primary immunisation of adults: 3 doses, IM 1ml, give 1 st dose, 2 nd dose 1 mth after 1 st dose, 3 rd dose 6 mth after 1 st dose; booster dose 1ml 5 years after.
Hepatitis A & B Vaccine Injection Single Dose (Paediatric) (Twinrix) °Fridge Item	NF EDL	Primary immunisation of child 1-15 yo: 3 doses, IM 0.5ml - 1 st dose, 2 nd dose 1 mth after 1 st dose, 3 rd dose 6 mth after 1 st dose;
Measles, Mumps & Rubella Vaccine Single Dose (MMR) °Fridge Item	 EDL	Child: Deep SC/IM, 0.5ml given after 12-15 months of age, 2 nd dose at 3-5 years of age (before starting school). Child not previously immunized: booster dose given 3 months after the 1 st dose.
Meningitis A & C Vaccine Single Dose (Mengivac A+C/AC Vax) °Fridge Item		Adult & child > 2 yo: deep SC/IM 0.5ml single dose.
Poliomyelitis Vaccine, Inactivated Single Dose Injection (IPV) °Fridge Item	 EDL	Primary immunisation: SC, 0.5ml, 3 doses given at intervals of 4 weeks, usually started at the same time as routine immunisation against diphtheria, tetanus and pertussis; booster dose recommended at school entry and school leaving.
Rabies Vaccine Single Dose Injection °Fridge Item		Deep SC/IM injection into the deltoid region. Post-exposure prophylaxis ONLY: 1ml on days 0, 3, 7, 14 and 28; if high risk, give rabies immunoglobulin on day 0 as well.
Typhoid Vaccine (Typhim VI) °Fridge Item	 EDL	Deep SC/IM, adult & child > 2 yrs, 0.5ml for 3 years' protection.

Cont. next page

GENERIC (TRADE) NAME	CAT.	INDICATION/DOSE
Tetanus Vaccine/Tetanus Toxoid 0.5ml/dose, 5ml (Tet/Vac/Ads) °Fridge Item	<i>MSL</i> <i>NF-</i> <i>one</i> <i>dose</i> <i>prep</i> EDL	Primary immunisation: deep SC or IM, 0.5ml 3 doses given in intervals of 4 weeks, booster dose recommended every 10 years. Prevention in clean wounds: if > 10 years since last dose give single booster dose; in unimmunised individuals give full course. High risk wounds: as above plus a dose of tetanus immunoglobulin.

COMMENT/CAUTIONS:

- **See WHO or available current guidelines on further details on contraindications and precautions in administering vaccines.**
- **Common side effects:** post-immunization pyrexia/fever in children (give paracetamol), injection site discomfort or pain, malaise. Avoid IM route in bleeding disorders.
- **C/I:** In general vaccination should be postponed if there is acute illness, but minor infections without fever or systemic upset are not contraindications. Discontinue if severe allergic reactions after first dose. Cautious in giving live vaccines to pregnant women and immunocompromised individuals (unless benefit outweighs risk), avoid in malignancy.
- **Hepatitis A vaccine** – Generally recommended for travellers to high-risk areas, hospital/lab staff with direct contact risk, haemophiliacs (risk through transfusions), high-risk sexual behaviours.
- **Hepatitis B vaccine** – Generally recommended for travellers to high-risk areas, hospital/lab staff with direct blood contact risk, IV drug abuse/high risk sexual behaviours, close family contact of a case/carrier, infants born to Hep B positive mothers, haemophiliacs/chronic renal failure (risk through transfusions/dialysis).
- **Meningococcal A&C vaccine** – Recommended for travellers to high-risk areas, lab staff with direct contact, close contacts (see local guidelines for secondary prevention of meningitis).

12.03 GENERAL IMMUNISATION SCHEDULE (BNF)

Note: This is the UK schedule, please follow patient's home country schedule where possible. Not all vaccines listed in this schedule are Mercy Ship formulary items and may not be available or in stock.

AGE	VACCINE	NO. OF DOSES	FIRST DOSE	INTERVAL
< 1 yo	DTP, Hib, Polio, Meningococcal C	3	2 months old	4 weeks
	Consider BCG	1	3 months old (if younger check dosage)	
2 yo	MMR	1	First dose 12-15 mths old	
	Consider Hib if not given previously			
Before school entry	MMR, Diphtheria & Tetanus (child), Polio	Single booster	Dose preferably 3 years after first vaccine regime	
10-14 yo	Consider BCG	Single booster		
Before leaving school or before employment or further education	Diphtheria & Tetanus (adult), Polio	Single booster		
Adult	Consider Polio if not given previously	3		4 weeks
	Consider Rubella for sero-negative women	Single dose.		
	Consider Tetanus if not given previously	3		4 weeks
	Consider Diphtheria if not given previously	3		4 weeks
High risk (See Comment)	Consider Hep A & B, Influenza, Mening A&C, Pneumococcal vaccine.	See individual product details.		