

Continuous Professional Education Programme for Registered Nurses and Midwives to administer

Tetravac (DTaP/IPV) Vaccine

Under the Medicine Protocol to Children in Primary
School (or age equivalent) through a Schools
Immunisation Programme

Tetravac (DTaP/IPV)

- In 2020/2021 school year the (4 in 1) vaccination programme will give **Tetravac** (DTaP/IPV):
- Diphtheria,
- Tetanus,
- Pertussis (acellular, component) and
- Poliomyelitis (inactivated) vaccine, adsorbed Tetravac vaccine



Tetravac (DTaP/IPV)

- **Tetravac** contains high dose Diphtheria and acellular Pertussis, Tetanus and Polio vaccine.
- **Tetravac** replaces **IPV Boostrix** (Tdap/IPV) which contains Tetanus, low dose diphtheria (d), acellular pertussis (ap) and poliomyelitis (inactivated) vaccines.
- **Tdap/IPV** was used because of there was a temporary shortage of **DTaP/IPV** vaccine as recommended by the immunisation guidelines.

Medicine Protocol

This Medicine Protocol is a specific written instruction for the administration of **Tetravac (DTaP/IPV) Vaccine**.

Diphtheria, Tetanus, Pertussis (acellular, component) & Poliomyelitis (inactivated) vaccine to children who may not be individually identified before presentation for vaccination.

Clinical Criteria

Active immunisation against and prevention of:

Diphtheria

Tetanus

Pertussis (whooping cough)

Poliomyelitis (polio)

- ***Booster Immunisation*** to children who have previously completed a primary course when they were younger.

Circumstances in which the Medicine Protocol applies

- To administer Tetravac to children in primary schools who have previously received a primary immunisation series against these diseases.
- Senior infant missed IPV Boostrix in Junior infant (2019/20) due to pandemic, they should be given IPV Boostrix if still available but if not, can be given Tetravac.

Inclusion Criteria for Tetravac (DTaP/IPV) vaccine

- Children in junior infants class in primary schools in Ireland or age equivalent e.g. home schooled, and special school, and who have previously received primary vaccinations against these diseases.
- Children with valid consent

Tetravac (DTaP/IPV) Vaccine Exclusion Criteria

- Children who have not commenced or completed primary immunisation course.

Children with a history of:

- Known anaphylactic or hypersensitivity reaction to Tetravac (DTaP/IPV) vaccine or any of the vaccine components including neomycin, streptomycin and polymyxin B.
- Acute febrile illness
- Children who are immunocompromised either due to disease or treatment
- Children with a contraindication to intramuscular injection

Tetravac (DTaP/IPV) Vaccine

Details of the most current and update information of the SmPC and other data is available on the website

<https://www.hpra.ie>

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Possible Side Effects

Very Common Reactions (more than 1 in 10 doses)

- Redness induration at injection site
- Pyrexia (fever) $\geq 38^{\circ}\text{C}$
- Headache
- Nervousness (irritability)
- Somnolence (drowsiness)
- Myalgia
- Anorexia
- Vomiting

Common Reactions (more than 1 in 100 doses and less than 1 in 10)

- Diarrhoea
- Insomnia
- Induration at the injection site

For a full list of side effects refer to <https://www.hpra.ie>

What are the constituents of Tetravac (DTaP/IPV) Vaccine?

Tetravax (DTaP/IPV) 0.5ml contains:

- Each 0.5 mL dose of vaccine contains:
- Purified diphtheria toxoid¹ not less than 30 I.U.
- Purified tetanus toxoid¹ not less than 40 I.U.
- Purified pertussis toxoid (PTxd)₁ 25 µg
- Purified filamentous haemagglutinin (FHA)₁ 25 µg
- Inactivated type 1 poliovirus₂ D antigen: 40 units
- Inactivated type 2 poliovirus₂ D antigen: 8 units
- Inactivated type 3 poliovirus₂ D antigen: 32 units

1. adsorbed on aluminium hydroxide, hydrated (Al(OH)₃) 0.3 milligrams Al₁ and aluminium phosphate (AlPO₄) 0.2 milligrams Al₁
2. propagated in VERO cells.

Excipient(s) with known effect: The vaccine contains phenylalanine and small amounts of ethanol (alcohol) (see section 4.4). For the full list of excipients, see section 6.1.

The vaccine may contain traces of glutaraldehyde, neomycin, streptomycin and polymyxin B (see section 4.4).

Nature and contents of Pack

- Packs of 10 of pre-filled syringes with 25G x 25mm needles

Any Questions?