

Appendix 1

The Ingredients of Vaccines

Reference: The Australian Immunisation Handbook 10th Edition. 2013. Australian Technical Advisory Group on Immunisation (ATAGI).

<http://www.immunise.health.gov.au/internet/immunise/publishing.nsf/Content/Handbook10-home> (Updated 30th May 2013).

Table A3.1: Components of vaccines used in the National Immunisation Program

| Vaccine component* | Vaccine brand† | Antigen |
|---------------------|----------------------|---|
| Albumin/serum | Avaxim | Hepatitis A (HAV) |
| | ProQuad | Measles-mumps-rubella-varicella (MMRV) |
| | Quadracel | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| | Vaqa | Hepatitis A (HAV) paediatric/adolescent |
| | Varilrix | Varicella (VV) |
| | Varivax Refrigerated | Varicella (VV) |
| Aluminium hydroxide | Avaxim | Hepatitis A (HAV) |
| | Cervarix | Human papillomavirus (HPV) |
| | Engerix-B | Hepatitis B (HBV) adult and paediatric |
| | Havrix Junior | Hepatitis A (HAV) paediatric |
| | H-B-Vax II | Hepatitis B (HBV) adult and paediatric |
| | Infanrix IPV | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| | Menjugate Syringe | Serogroup C meningococcal conjugate (MenCCV) |
| | NeisVac-C | Serogroup C meningococcal conjugate (MenCCV) |
| | Vaqa | Hepatitis A (HAV) paediatric/adolescent |

| Vaccine component* | Vaccine brand† | Antigen |
|-----------------------------------|---|--|
| Aluminium hydroxide/ phosphate | Boostrix | Diphtheria-tetanus-acellular pertussis (dTpa) reduced antigen |
| | Gardasil | Human papillomavirus (HPV) |
| | Infanrix hexa | Diphtheria-tetanus-acellular pertussis-hepatitis B-inactivated poliomyelitis- <i>Haemophilus influenzae</i> type b (DTPa-hepB-IPV-Hib) |
| Aluminium phosphate | Adacel | Diphtheria-tetanus-acellular pertussis (dTpa) reduced antigen |
| | Meningitec | Serogroup C meningococcal conjugate (MenCCV) |
| | Prevenar 13 | 13-valent pneumococcal conjugate (13vPCV) |
| | Quadracel | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| Borax/sodium borate | Gardasil | Human papillomavirus (HPV) |
| | Vaqta | Hepatitis A (HAV) paediatric/adolescent |
| Egg protein | <i>All influenza vaccines</i> Agrippal | Influenza |
| | Fluarix | Influenza |
| | Fluvax | Influenza |
| | Influvac | Influenza |
| | Vaxigrip | Influenza |
| Formaldehyde | Adacel | Diphtheria-tetanus-acellular pertussis (dTpa) reduced antigen |
| | Agrippal | Influenza |
| | Avaxim | Hepatitis A (HAV) |
| | Boostrix | Diphtheria-tetanus-acellular pertussis (dTpa) reduced antigen |
| | Fluarix | Influenza |
| | Havrix Junior | Hepatitis A (HAV) paediatric |

| Vaccine component* | Vaccine brand [†] | Antigen |
|----------------------------|----------------------------|--|
| | Infanrix hexa | Diphtheria-tetanus-acellular pertussis-hepatitis B-inactivated poliomyelitis- <i>Haemophilus influenzae</i> type b (DTPa-hepB-IPV-Hib) |
| | Infanrix IPV | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| | Influvac | Influenza |
| | Quadracel | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| | Vaqta | Hepatitis A (HAV) paediatric/adolescent |
| | Vaxigrip | Influenza |
| Gelatin | ProQuad | Measles-mumps-rubella-varicella (MMRV) |
| | Varivax Refrigerated | Varicella (VV) |
| Gentamicin | Fluarix | Influenza |
| | Influvac | Influenza |
| Glutaraldehyde | Adacel | Diphtheria-tetanus-acellular pertussis (dTpa) reduced antigen |
| | Quadracel | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| Kanamycin | Agrippal | Influenza |
| Mannitol | Priorix | Measles-mumps-rubella (MMR) |
| | Priorix-tetra | Measles-mumps-rubella-varicella (MMRV) |
| Monosodium glutamate (MSG) | ProQuad | Measles-mumps-rubella-varicella (MMRV) |
| | Varivax Refrigerated | Varicella (VV) |
| Neomycin | Agrippal | Influenza |
| | Avaxim | Hepatitis A (HAV) |
| | Fluvax | Influenza |
| | Havrix Junior | Hepatitis A (HAV) paediatric |
| | Infanrix hexa | Diphtheria-tetanus-acellular pertussis-hepatitis B-inactivated poliomyelitis- <i>Haemophilus</i> |

| Vaccine component* | Vaccine brand† | Antigen |
|-------------------------|----------------------|--|
| | | <i>influenzae</i> type b (DTPa-hepB-IPV-Hib) |
| | Infanrix IPV | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| | Priorix | Measles-mumps-rubella (MMR) |
| | Priorix-tetra | Measles-mumps-rubella-varicella (MMRV) |
| | ProQuad | Measles-mumps-rubella-varicella (MMRV) |
| | Quadracel | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| | Vaqta | Hepatitis A (HAV) paediatric/adolescent |
| | Varilrix | Varicella (VV) |
| | Varivax Refrigerated | Varicella (VV) |
| | Vaxigrip | Influenza |
| Phenol | Pneumovax 23 | 23-valent pneumococcal polysaccharide (23vPPV) |
| Phenoxyethanol | Adacel | Diphtheria-tetanus-acellular pertussis (dTpa) reduced antigen |
| | Avaxim | Hepatitis A (HAV) |
| | Quadracel | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| Polymyxin | Fluvax | Influenza |
| | Infanrix hexa | Diphtheria-tetanus-acellular pertussis-hepatitis B-inactivated poliomyelitis- <i>Haemophilus influenzae</i> type b (DTPa-hepB-IPV-Hib) |
| | Infanrix IPV | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| | Quadracel | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| Polysorbate or sorbitol | Agrippal | Influenza |
| | Boostrix | Diphtheria-tetanus-acellular pertussis (dTpa) reduced antigen |

| Vaccine component* | Vaccine brand† | Antigen |
|--------------------|----------------|--|
| | Fluarix | Influenza |
| | Gardasil | Human papillomavirus (HPV) |
| | Havrix Junior | Hepatitis A (HAV) paediatric |
| | Infanrix hexa | Diphtheria-tetanus-acellular pertussis-hepatitis B-inactivated poliomyelitis- <i>Haemophilus influenzae</i> type b (DTPa-hepB-IPV-Hib) |
| | Infanrix IPV | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| | Influvac | Influenza |
| | Prevenar 13 | 13-valent pneumococcal conjugate (13vPCV) |
| | Priorix | Measles-mumps-rubella (MMR) |
| | Priorix-tetra | Measles-mumps-rubella-varicella (MMRV) |
| | ProQuad | Measles-mumps-rubella-varicella (MMRV) |
| | Quadracel | Diphtheria-tetanus-acellular pertussis-inactivated poliomyelitis (DTPa-IPV) |
| | RotaTeq | Rotavirus |
| Yeast | Engerix-B | Hepatitis B (HBV) adult and paediatric |
| | Gardasil | Human papillomavirus (HPV) |
| | H-B-Vax II | Hepatitis B (HBV) adult and paediatric |
| | Infanrix hexa | Diphtheria-tetanus-acellular pertussis-hepatitis B-inactivated poliomyelitis- <i>Haemophilus influenzae</i> type b (DTPa-hepB-IPV-Hib) |

* If the person to be vaccinated has had an anaphylactic reaction to any of the vaccine components, administration of that vaccine may be contraindicated. Specialist advice should be sought to identify the component and to review if the person can be vaccinated in future.

† Please also refer to Appendix 4 *Commonly asked questions about vaccination* for more specific information about these various constituents.

Thimerosal was listed as an ingredient of some vaccines in March 2013 in The Australian Immunisation Handbook 9th Edition. Components of Vaccines. Appendix 4. Australian Technical Advisory Group on Immunisation (ATAGI). Page 343.

[http://www.immunise.health.gov.au/internet/immunise/publishing.nsf/Content/78CDF41C283426A8CA2574E40020CCAB/\\$File/handbook-9.pdf](http://www.immunise.health.gov.au/internet/immunise/publishing.nsf/Content/78CDF41C283426A8CA2574E40020CCAB/$File/handbook-9.pdf) (accessed March 2013).