

VACCINES AND ALUMINIUM

→ **Aluminium:** Like lead and mercury, a recognised neurotoxin, cumulative, inessential and immuno-inflammatory¹.

Age	Vaccine - Australian Immunisation Schedule	Product Name	TISSUE EXPOSURE TO ALUMINIUM (Al) [MIGROGRAMS (µg)]		
			From Vaccines ² (100% absorbed)		From Breastmilk ³ Al. conc. 25µg/L (@ 0.1% absorbed) ⁴
			Per Vaccine (min)	Per Vaccine (max)	
Birth	Hepatitis B (hepB)	H-B-Vax II; or Energix B	87	250	1.1
2 Months	Combined hepatitis B, diphtheria, tetanus, whooping cough, haemophilus meningitis, poliomyelitis (polio) vaccine (hepB-DTPa-Hib-IPV)	Infanrix hexa	820	820	
	Pneumococcal disease (Pneumococcal conjugate - 13vPCV)	Prevenar 13	125	125	
	Rotavirus gastroenteritis (G1P1A[8] strain vaccine)	Rotarix	0	0	
	Meningococcal disease (Meningococcal Type B vaccine)	Bexsero (SA only)		500	1.2
4 Months	Combined hepatitis B, diphtheria, tetanus, whooping cough, haemophilus meningitis, poliomyelitis (polio) vaccine (hepB-DTPa-Hib-IPV)	Infanrix hexa	820	820	
	Pneumococcal disease (Pneumococcal conjugate - 13vPCV)	Prevenar 13	125	125	
	Rotavirus gastroenteritis (G1P1A[8] strain vaccine)	Rotarix	0	0	
	Meningococcal disease (Meningococcal Type B vaccine)	Bexsero (SA only)		500	1.5
6 Months	Combined hepatitis B, diphtheria, tetanus, whooping cough, haemophilus meningitis, poliomyelitis (polio) vaccine (hepB-DTPa-Hib-IPV)	Infanrix hexa	820	820	
	Rotavirus gastroenteritis (G1P1A[8] strain vaccine)	Rotarix	0	0	
			2,797	3,960	3.8

Notes:

Breastmilk: Al absorbed per Litre⁴ 0.1% x 25µg/L = 0.025µg/L. Total Al absorption between 2 and 4 months of age at 800mls of milk p/day⁵: (61 x 0.8 x 0.025) = **1.22µg**

Vaccination: Minimum Tissue Exposure from vaccines by 6 months = 2,797 µg of Al (**736 times** the Al absorbed from Breast Milk).

*NB: Vaccine aluminium, though slowly absorbed from injection site, accumulates throughout the body more readily than aluminium absorbed from food¹. Young infants have increased susceptibility to toxins⁶. Aluminium intake from just **ONE** injection of **Infanrix hexa** is about the same as a baby breast feeding for 90 years. 820 ÷ (365 x 0.025)*

REFERENCES:

- Aluminium Injury:** "Vaccines and Autoimmunity", (p 4-5) Dr Yehuda Shoenfeld (Editor), Dr Nancy Agmon-Levin (Editor), Dr Lucija Tomljenovic (Editor) ISBN: 978-1-118-66343-1; [Mechanisms of Aluminium Adjuvant Toxicity and Autoimmunity](#) ; [Aluminium Adjuvant Toxicokinetics: A Critical Analysis of Referenced Studies](#) ; [Biopersistence and Brain Translocation of Aluminium Adjuvants of Vaccines](#) ; [Aluminium Hydroxide Injections lead to Motor Deficits and Motor Neuron Degeneration](#) ; [Chronic Aluminium Intake Causes Alzheimer's Disease](#) ; [Aluminium in Brain Tissue in Autism](#) ; [Cellular Fate and Toxicity of Aluminium Adjuvants](#) ; [Reconsideration of the Immunotherapeutic Pediatric Safe Dose Levels of Aluminium](#)
- Vaccine Aluminium Content:** [H-V-Vax II](#) ; [Energix B](#) ; [Infanrix hexa](#) ; [Prevenar 13](#) ; [Bexsero](#)
- Breast Milk Aluminium Content:** [Aluminium Content of Human Milk, Cow's Milk and Infant Formulas](#) ; [Concentration of Aluminium in Human Breast Milk](#) p.9
- Estimated Absorption from Food and Breast Milk:** [Aluminium Toxicokinetics: An Updated MiniReview](#) p.162 ; [Uptake and Absorption of Gastrointestinal Aluminium](#) p.245 ; [Safety of Aluminium from Dietary Intake](#) p.2
- Breast Milk Intake:** [Common Questions About Breastfeeding](#) ; [How Much Milk Do Breastfed Babies Eat?](#)
- Infant Aluminium Susceptibility:** [Statement on the Potential Risk from Aluminium in the Infant Diet](#) p.7

BLOGS & DEBATES:

[Blood Brain Barrier Scientist's View](#) ; [Vaccine Papers: Rebuttal to the BBB Scientist](#) ; [Aluminium in Vaccines: The Dangers Part 1](#) ; [The Foundation for Aluminium Adjuvant Safety is False](#) ; [Aluminium in Vaccines: The Dangers Part 2](#)