Alert	Vitamin A is expressed as microgram retinol activity equiva	lents (BAF) or international units (IIJ) or	
	Vitamin A is expressed as microgram retinol activity equivalents (RAE) or international units (IU) or units.		
	1 microgram RAE = 1 microgram retinol = 3.3 units of retinol. <sup>(3)</sup>		
	1 microgram colecalciferol = 40 international units (or units		
Indication	Prevention of vitamin deficiency. Suggested age group: <37 weeks and/or birthweight <2.5 Kg.		
	Cholestasis		
Action	Multivitamin supplement		
Drug type	Multivitamin	•	
Trade name	Pentavite Infant liquid 0-3 years		
Presentation	Oral liquid		
	Each 0.45 mL contains:		
	Vitamin A	Retinol palmitate 0.723 mg	
		(390 microgram RE)	
	Vitamin B1 (as thiamine hydrochloride)	540 microgram	
	Vitamin B2 (riboflavin) (from riboflavine sodium	810 microgram	
	phosphate 1.1 mg)		
	Vitamin B3 (nicotinamide or niacin)	7.1 mg	
	Vitamin B6 (pyridoxine) (from pyridoxine hydrochloride 135 microgram)	111 microgram	
	Vitamin C (ascorbic acid)	42.8 mg	
	Vitamin D (colecalciferol)	10.1 microgram (400 units)	
Dose	Routine supplementation in preterm or low birthweight in		
Dose	0.45 mL daily. <b>NOTE: Dose not based on weight.</b>		
	Continue up to 12 months corrected age.		
	Cholestasis	×	
	Refer to Vitamins in cholestasis formulary.		
Dose adjustment			
Maximum dose	0.45 mL DAILY for routine supplementation		
	0.45 mL BD for cholestasis		
Total cumulative dose			
Route	Oral or intra-gastric tube		
Preparation	No preparation required		
Administration	Do not shake the bottle.		
	Administer undiluted or mixed with a small amount of milk into infant's mouth through a feeding		
•• •• •	teat or via intra-gastric tube.		
Monitoring			
Contraindications	Not yet tolerating full feeds		
Precautions	Direct administration into the mouth may cause choking ar	Direct administration into the mouth may cause choking and apnoea	
Drug interactions			
Adverse reactions			
Compatibility			
Incompatibility			
Stability	Use within 9 weeks after opening.		
Storage	Store below 25°C. Protect from light.		
Evcinionto	Refrigerate after opening.		
Excipients	Sodium saccharin, pineapple flavour		
Special comments	No studios woro located which even is ad the impact of	Itivitamin cumplementation an and	
Evidence	No studies were located which examined the impact of multivitamin supplementation on any		
	outcomes in low birth weight (LBW) infants. Policy statements from organisations in developed countri	es recommend providing multivitamin	
	Policy statements from organisations in developed countries recommend providing multivitamin supplementation with a neonatal multivitamin preparation containing vitamins A, D, C, B1, B2, B6,		
	pantothenic acid and niacin to all LBW infants receiving hu	-	
	attains a weight of 2000 g.		
	Dentavite	Page 1 of 2	

	Many units provide a multivitamin preparation to all LBW infants until 6 to 12 months chronological age.	
	Vitamin D – There is evidence of reduced linear growth and increased risk of rickets in babies with a	
	birth weight < 1500 g fed un-supplemented human milk. There is no consistent benefit of increasing the intake of vitamin D above 400 units per day.	
	There are no clinical trial data on the effect of vitamin D on key clinical outcomes in infants with a birth weight > 1500 g.	
Practice points	Pentavite <sup>®</sup> contains vitamin D, it may be used for later preterm or term infants at risk of vitamin D deficiency. However, this may be better managed using single ingredient vitamin D preparations (see Colecalciferol formulary). For preterm infants the dose may be halved (i.e. 0.23 mL) and given twice daily to improve tolerability.	
	Infants with cholestasis should receive additional vitamin D supplementation until cholestasis/fat	
	malabsorption resolves (see Colecalciferol formulary). Other fat soluble vitamins may also require supplementation.	
References	<ol> <li>Product Information: Penta-Vite Multivitamins Oral Liquid. MIMSOnline. Accessed 18/07/2014.</li> <li>Optimal feeding of low-birth-weight infants, technical review. Karen Edmond, MBBS, MSc (Epidemiology), PhD. London School of Hygiene and Tropical Medicine, London, U.K. Rajiv Bahl, MD, PhD. Department of Child and Adolescent Health and Development, WHO, Geneva.</li> </ol>	
	<ol> <li>https://dietarysupplementdatabase.usda.nih.gov/Conversions.php. Accessed on 17 November 2021.</li> </ol>	
	4. <u>https://www.pentavite.com/product/multivitamin-infant-liquid/</u> . Accessed 04/07/2022.	

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