Brauer Infant Multivitamins

Newborn use only

Alert	Use only when Pentavite is not available.			
Alert	International units (IU) are labelled as units in this formulary.			
	1 microgram colecalciferol = 40 international units (or units) of vitamin D3.			
Indication	Vitamin supplementation			
	Suggested age group: <37 weeks and/or birthweight <2.5 Kg.			
Action	Multivitamin supplement			
Drug type	Multivitamin			
Trade name	Brauer Liquid Multivitamin for Infants (0+)			
Presentation	Oral liquid			
	Each 1mL liquid contains:			
	Betacarotene (retinol equivalents 250	3 mg		
	microgram)			
	Vitamin D3 (colecalciferol)	200 units (5 microgram)		
	Vitamin B1 (thiamine hydrochloride)	112 microgram		
	Vitamin B2 (riboflavin) (riboflavin sodium	150 microgram		
	phosphate 195 microgram)			
	Nicotinamide	1 mg		
	Vitamin B6 (pyridoxine) (pyridoxal 5-phosphate	100 microgram		
	monohydrate 177 microgram)			
	Vitamin B12 (cyanocobalamin)	417 nanogram		
	Levomefolic acid (Quatrefolic®) (levomefolate	80 microgram		
	glucosamine 144.3 microgram) Vitamin C (ascorbic acid) and calcium (calcium	7.5 mg and 860 microgram		
	ascorbate dihydrate 9.12 mg)			
	Vitamin E (d-alpha tocopheryl acetate)	4.04 mg		
	Choline (choline bitartrate 91.91 mg)	37.5 mg		
	Biotin	1.5 microgram		
Dose	Use only when Pentavite is not available (see tabl			
	 NOTE: To optimise vitamin D intake, a combination of vitamin D3 liquid - 400 units/day PLUS Brauer infant vitamins 1 mL DAILY (200 units of vitamin D) may be considered. Suggested regimen: (1) To be given when the infant is tolerating ≥ 120 mL/kg/day of enteral feeds. 			
	(2) Continue up to 6-12 months c	orrected age.		
Dose adjustment				
Maximum dose	2 mL/day			
Total cumulative dose				
Route	Oral			
Preparation				
		Oral or intra-gastric tube. Administer undiluted or mixed with a small amount of milk into infant's mouth through a feeding teat or via intra-gastric tube.		
Administration	Administer undiluted or mixed with a small amoun	t of milk into infant's mouth through a feeding teat		
Monitoring	Administer undiluted or mixed with a small amoun or via intra-gastric tube.	t of milk into infant's mouth through a feeding teat		
Monitoring Contraindications	Administer undiluted or mixed with a small amoun or via intra-gastric tube. Not yet tolerating full feeds.			
Monitoring Contraindications Precautions	Administer undiluted or mixed with a small amoun or via intra-gastric tube. Not yet tolerating full feeds. Direct administration into the mouth may cause ch			
Monitoring Contraindications Precautions Drug interactions	Administer undiluted or mixed with a small amoun or via intra-gastric tube. Not yet tolerating full feeds.			
Monitoring Contraindications Precautions Drug interactions Adverse reactions	Administer undiluted or mixed with a small amoun or via intra-gastric tube. Not yet tolerating full feeds. Direct administration into the mouth may cause ch No information.	oking and apnoea.		
Monitoring Contraindications Precautions Drug interactions Adverse reactions Overdose	Administer undiluted or mixed with a small amoun or via intra-gastric tube. Not yet tolerating full feeds. Direct administration into the mouth may cause ch No information. For further information, contact the Poisons Inform	oking and apnoea.		
Monitoring Contraindications Precautions Drug interactions Adverse reactions Overdose Compatibility	Administer undiluted or mixed with a small amoun or via intra-gastric tube. Not yet tolerating full feeds. Direct administration into the mouth may cause ch No information. For further information, contact the Poisons Inform Not applicable.	oking and apnoea.		
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Excipients		l-alpha-tocopherol, gelatiı se, vegetable oil, xanthan	n, glycerol, maize oil, maize starch, potassium s	orbate,
	pullieu water, sucro		gum.	
Special comments	Brauer formula supplies betacarotene as the source of vitamin A. Betacarotene may be a suitable source of vitamin A in neonates. Vitamin D content is 200 units/mL. A dose of 1 mL BD provides a dose of 400 units daily.			
		Pentavite 0.45 mL	Brauer 1 mL	
	Vitamin A	390 microgram		
	Betacarotene		3 mg (equiv. to Retinol equivalent 250 microgram)	
	Vitamin D3	10.1 microgram	200 units (equiv. to 5 microgram colecalciferol)	
	Vit. B1	540 microgram	112 microgram	
	Vit. B2	810 microgram	150 microgram	
	Nicotinamide	7.1 mg	1 mg	
	Vit. B6	111 microgram	100 microgram	
	Vit. B12		0.417 microgram	
	Levomefolate		144.3 microgram (equiv. to Levomefolic	
	glucosamine		acid 80 microgram)	
	Vitamin C	42.8 mg	Calcium ascorbate dihydrate 9.12 mg (equiv. to Vitamin C 7.5 mg and Calcium 0.86 mg)	
	Vit. E		4.04 mg	
	Choline		37.5 mg	
	Biotin		1.5 microgram	
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 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 human milk from birth until the infant attains a weight of 2000 g. 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				
References	Range - Brauer W2. Edmond K. Optimand Tropical MedHealth and Develor	 Product Information: Brauer Infant Multivitamins Oral Liquid. Liquid Multivitamin for Infants - Our <u>Range - Brauer Website</u> Accessed 25/8/23 Edmond K. Optimal feeding of low-birth-weight infants, technical review. London School of Hygiene and Tropical Medicine, London, U.K. Rajiv Bahl, MD, PhD. Department of Child and Adolescent Health and Development, WHO, Geneva. https://dietarysupplementdatabase.usda.nih.gov/Conversions.php. Accessed on 17 November 		
	3. https://dietarysu 2021.	ippiementdatabase.usda.r	nn.gov/Conversions.php. Accessed on 17 Nover	mber

VERSION/NUMBER	DATE
Original 1.0	25/08/2023
Version 1.0 (Minor errata)	14/09/2023
Version 1.0 (minor errata)	18/07/2024

Brauer Infant Multivitamins

Newborn use only

Version 2.0	15/08/2024
Current 2.0 (minor errata)	22/08/2024
REVIEW	15/08/2029

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