

Drug formulations and dosages

1. Nucleoside reverse transcriptase inhibitors (NRTIs)

1.1. LAMIVUDINE (3TC)			
FORMULATIONS			
Tablets	Capsules	Liquid	FDC
150 mg	None	10 mg/ml	Baby 30 mg 3TC Adult 150 mg 3TC <ul style="list-style-type: none"> • 3TC + d4T + NVP • 3TC + d4T • 3TC + AZT + NVP • 3TC + AZT + ABC • 3TC + AZT • 3TC + ABC Junior 60 mg 3TC <ul style="list-style-type: none"> • 3TC + d4T + NVP • 3TC + d4T
DOSE AND FREQUENCY OF DOSING			
<p>Target doses</p> <ul style="list-style-type: none"> • Age less than 30 days of life: 2 mg/kg/dose twice daily (this dose should be used for infant prophylaxis during the first 30 days of life) • Age more than 30 days of life: 4 mg/kg/dose twice daily • Weight more than 50 kg: 150 mg twice daily <p>Note: Once-daily dosing is not yet approved for children but encouraging pharmacokinetic data are available for children switching to once-daily dosing once viral suppression occurs on ART.</p> <p>Administration – adult tablets</p> <ul style="list-style-type: none"> • Can be crushed and contents mixed with a small amount of water or food and taken immediately <p>Storage</p> <ul style="list-style-type: none"> • Store tablets/capsules at room temperature (25°C; range 15 – 30°C). • Store liquid at room temperature (25°C; range 15 – 30°C). • Use within one month of opening. 			
OTHER COMMENTS			
<p>General</p> <ul style="list-style-type: none"> • Well tolerated • No food restrictions • Also active against hepatitis B 	<p>Pharmacokinetic data</p> <ul style="list-style-type: none"> • Available for all ages 	<p>Major drug interactions</p> <ul style="list-style-type: none"> • None 	

Ref: http://us.gsk.com/products/assets/us_epivir.pdf
<http://www.who.int/hiv/pub/paediatric/antiretroviral/en/index.html>

LAMIVUDINE

Recommended dosing based on weight-bands for children >6 weeks of age using liquid and adult tablets

Weight range (kg)		Target dose 4 mg/kg twice daily to a maximum of 150 mg twice daily		Dose (ml or tablets)	
Bottom	Top	Formulation		a.m.	p.m.
3	3.9	10	mg/ml liquid	3 ml	3 ml
4	4.9	10	mg/ml liquid	3 ml	3 ml
5	5.9	10	mg/ml liquid	3 ml	3 ml
6	6.9	10	mg/ml liquid	4 ml	4 ml
7	7.9	10	mg/ml liquid	4 ml	4 ml
8	8.9	10	mg/ml liquid	4 ml	4 ml
9	9.9	10	mg/ml liquid	4 ml	4 ml
10	10.9	10	mg/ml liquid	6 ml	6 ml
11	11.9	10	mg/ml liquid	6 ml	6 ml
12	13.9	10	mg/ml liquid	6 ml	6 ml
14	16.9	150	mg tablet	½	½
17	19.9	150	mg tablet	½	½
20	24.9	150	mg tablet	1	½
25	29.9	150	mg tablet	1	1
30	34.9	150	mg tablet	1	1