

## 1.2 STAVUDINE (d4T)

### FORMULATIONS

Tablets	Capsules	Liquid	FDC
None	15 mg 20 mg 30 mg	1 mg/ml	<b>Baby 6 mg d4T</b> <b>Junior 12 mg d4T</b> <b>Adult 30 mg d4T</b> <ul style="list-style-type: none"><li>• d4T + 3TC + NVP</li><li>• d4T + 3TC</li></ul>

### DOSE AND FREQUENCY OF DOSING

#### Target doses

- Weight less than 30 kg 1 mg/kg/dose twice daily
- Weight more than 30 kg 30 mg/dose twice daily

Note: Once-daily dosing is not yet approved for children but encouraging pharmacokinetic data are now available for children switching to once-daily dosing once viral suppression occurs on ART.

- Adults 30 mg/dose twice daily

#### Administration – capsules

- Can be opened and mixed with small amount of food or water and taken immediately (stable in solution for 24 hours if kept refrigerated)

#### Administration – liquid

- Liquid must be well shaken prior to each use.

#### Storage

- Store capsules at room temperature (25°C; range 15 – 30°C) in a tightly closed container.
- Store powder for solution at room temperature (25°C; range 15 – 30°C) in a tightly closed container (to protect from excessive moisture).
- After constitution, solution needs refrigeration (2 – 8°C) and must be stored in original container.
- Discard any unused solution after 30 days.

### OTHER COMMENTS

#### General

- Well tolerated in short term, but significant long-term toxicities
- No food restrictions

#### Pharmacokinetic data

- Available for all ages

#### Major drug interactions

- Do not use d4T with AZT due to an antagonistic effect.

Ref: [http://packageinserts.bms.com/pi/pi\\_zerit.pdf](http://packageinserts.bms.com/pi/pi_zerit.pdf)  
<http://www.who.int/hiv/pub/paediatric/antiretroviral/en/index.html>

## STAVUDINE

Recommended dosing based on weight-bands for children >6 weeks using liquid and capsules

Weight range (kg)		Target dose 1 mg/kg twice daily up to 30 mg twice daily		Dose (ml or tablets)	
Bottom	Top	Formulation		a.m.	p.m.
3	3.9	1	mg/ml liquid	6 ml	6 ml
4	4.9	1	mg/ml liquid	6 ml	6 ml
5	5.9	1	mg/ml liquid	6 ml	6 ml
6	6.9	1	mg/ml liquid	9 ml	9 ml
7	7.9	1	mg/ml liquid	9 ml	9 ml
8	8.9	1	mg/ml liquid	9 ml	9 ml
9	9.9	1	mg/ml liquid	9 ml	9 ml
10	10.9	15	mg capsule	1	1
11	11.9	15	mg capsule	1	1
12	13.9	15	mg capsule	1	1
14	16.9	20	mg capsule	1	1
17	19.9	20	mg capsule	1	1
20	24.9	20	mg capsule	1	1
25	29.9	30	mg capsule	1	1
30	34.9	30	mg capsule	1	1