

Dolutegravir (DTG)


Formulations available:

- Tablet: 50 mg (if not able to swallow whole, may be crushed or chewed)
- Fixed dose combination (FDC) tablet: tenofovir/lamivudine/dolutegravir (TLD) 300/300/50 mg (data on safety of crushing FDC is lacking: swallow whole or use separate formulations)

Dosing:

- ≥ 20 kg: 50 mg once daily
- Children ≥ 35 kg and ≥ 10 years old, who have been recommended TDF, FTC/3TC and DTG, can take the TLD FDC tablet if available and renal function criteria are met (*see table 1 below*).

Table 1:

Assessing Renal Function				
	Age/pregnancy Status	What must be measured?	Acceptable level for TDF use	
	≥ 10 and < 16 years of age	eGFR using Counahan Barratt formula	> 80 mL/min/1.73 m ²	Counahan Barratt formula eGFR (mL/min/1.73 m ²) = $\frac{\text{height [cm]} \times 40}{\text{creatinine } [\mu\text{mol/L}]}$
	Adults and adolescents ≥ 16 years	eGFR using MDRD equation ¹	> 50 mL/min/1.73m ²	
	Pregnant women	Absolute creatinine level	< 85 $\mu\text{mol/L}$	

¹ Modification of Diet in Renal Disease Study (MDRD) equation

Children on concomitant rifampicin-containing TB regimens:

- ≥ 20 kg: 50 mg 12 hourly
- If on TLD FDC: additional DTG 50 mg 12 hours after TLD dose