



## **Guidelines for Prevention and Treatment of Opportunistic Infections in HIV-Infected Adults and Adolescents**

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**Table 3. Recommended Doses of First-Line Drugs for Treatment of Tuberculosis in Adults and Adolescents** (Last updated May 7, 2013; last reviewed May 7, 2013)

Drug	Daily	3x/week
<b>Isoniazid</b>	5 mg/kg (usual dose 300 mg)	15 mg/kg (usual dose 900 mg)
<b>Rifampin</b> <b>Note:</b> Rifampin is not recommended in patients receiving HIV PIs, ETR, RPV, or EVG/COBI/TDF/FTC	10 mg/kg (usual dose 600 mg)	10 mg/kg (usual dose 600 mg)
<b>Rifabutin</b> without HIV PIs, EFV, RPV, or EVG/COBI/TDF/FTC	5 mg/kg (usual dose 300 mg)	5 mg/kg (usual dose 300 mg)
with HIV PIs	150 mg <sup>a</sup>	300 mg <sup>a</sup>
with EFV	450–600 mg	450–600 mg
with EVG/COBI/TDF/FTC	150 mg <sup>b</sup>	150 mg <sup>b</sup>
<b>Pyrazinamide</b> (weight-based dosing)		
40–55 kg	1000 mg (18.2–25.0 mg/kg)	1500 mg (27.3–37.5 mg/kg)
56–75 kg	1500 mg (20.0–26.8 mg/kg)	2500 mg (33.3–44.6 mg/kg)
76–90 kg	2000 mg (22.2–26.3 mg/kg)	3000 mg (33.3–39.5 mg/kg)
>90 kg	2000 mg <sup>c</sup>	3000 mg <sup>c</sup>
<b>Ethambutol</b> (weight-based dosing)		
40–55 kg	800 mg (14.5–20.0 mg/kg)	1200 mg (21.8–30.0 mg/kg)
56–75 kg	1200 mg (16.0–21.4 mg/kg)	2000 mg (26.7–35.7 mg/kg)
76–90 kg	1600 mg (17.8–21.1 mg/kg)	2400 mg (26.7–31.6 mg/kg)
>90 kg	1600 mg <sup>c</sup>	2400 mg <sup>c</sup>

<sup>a</sup> Acquired rifamycin resistance has been reported in patients with inadequate rifabutin levels while on 150 mg twice weekly dosing together with ritonavir-boosted PIs. May consider therapeutic drug monitoring when rifabutin is used with a ritonavir-boosted PI and adjust dose accordingly.

<sup>b</sup> Avoid co-administration of EVG/COBI/TDF/FTC with rifabutin, if possible. If used together, consider therapeutic drug monitoring and adjust dose accordingly.

<sup>c</sup> Monitor for therapeutic response and consider therapeutic drug monitoring to assure dosage adequacy in patients who weigh >90 kg.

**Key to Acronyms:** COBI = cobicistat; EFV = efavirenz; EVG = elvitegravir; FTC = emtricitabine; MVC = maraviroc; NNRTI = non-nucleoside reverse transcriptase inhibitor; PI = protease inhibitor; TDF = tenofovir disoproxil fumarate