

Therapeutic Drug Monitoring in HIV: Antiretroviral Target Values

(All values ng/ml)

Drug	Lower Target Naive Patients	Lower Target Experienced Patients	Upper Trough Target	Upper Peak Target
Protease inhibitors				
Amprenavir	400	1,200	Not applicable	Not applicable
Atazanavir	150	Not applicable	Not applicable	Not applicable
Darunavir	55	550*	Not applicable	Not applicable
Indinavir	100	Not applicable	Not applicable	>10,000
Lopinavir	1,000	4,000	Not applicable	Not applicable
Nelfinavir	800	Not applicable	Not applicable	Not applicable
Ritonavir	The minimum target plasma concentration has not been defined when ritonavir is used as a pharmacokinetic enhancer			
Saquinavir	100	Not applicable	Not applicable	Not applicable
Tipranavir	Not applicable	20,500	Not applicable	Not applicable
NNRTIs				
Efavirenz	1,000	Not applicable	4,000	Not applicable
Etravirine	Not applicable	52	Not applicable	Not applicable
Nevirapine	3,000	Not applicable	8,000	Not applicable
Other Classes				
Maraviroc	25	25	Not applicable	Not applicable
Raltegravir	Not applicable	15	Not applicable	Not applicable

* Suggested target of 1800 ng/ml for very experienced patients

Note

Some of these target concentrations derive from in vitro and preliminary clinical data and may require revision as data accumulate. The clinical team is continually reviewing the evidence base for TDM and will revise target concentrations as necessary.