

HIV RESISTANCE TESTING 101: GENOTYPE

Summary of mutations actually detected in each drug class

List of mutations actually detected that can affect response to specific HIV medication

	Trade Name	Generic Name	Interpretation	Associated Mutations	Comments
NNRTI - Mutation Summary (103N, 108I)					
R	Rescriptor®	Delavirdine	Resistant	103N	
R	Sustiva®	Efavirenz	Resistant	103N, 108I	
R	Viramune®	Nevirapine	Resistant	103N, 108I	
NRTI - Mutation Summary (41L, 67N, 69N, 70R, 74I, 184V, 215F, 219Q)					
R	EpiVir®	Lamivudine	Resistant	184V	
R	Retrovir®	Zidovudine	Resistant	184V, 215F, 219Q, 41L, 67N, 69N, 70R	Mutations at 184 can suppress the effects of ZDV associated mutations.
R	Videx®	Didanosine	Resistant	184V, 215F, 219Q, 41L, 67N, 69N, 70R, 74I	
R	Zenit®	Stavudine	Resistant	184V, 215F, 219Q, 41L, 67N, 69N, 70R	Mutations at 184 can suppress the effects of ZDV associated mutations.
R	Ziagen®	Abacavir	Resistant	184V, 215F, 219Q, 41L, 67N, 70R	
RP	Viread®	Tenofovir	Resistance Possible	184V, 215F, 219Q, 41L, 67N, 69N, 70R	Mutations at 184 can suppress the effects of ZDV associated mutations.
R	Emtriva®	Emtricitabine	Resistant	184V	
PI - Mutation Summary (10I, 33F, 46I, 63P, 71I, 71T, 71V, 73S, 77I, 84V, 90M, 93L)					
R	Lexiva®	Fosamprenavir	Resistant	10I, 46I, 73S, [84V], 90M	
R	Crixivan®	Indinavir	Resistant	10I, [46I], 71T, 71V, 73S, 77I, [84V], 90M	
R	Invirase®/Fortovase®	Saquinavir	Resistant	10I, 46I, 71T, 71V, 73S, 77I, 84V, [90M]	
R	Norvir®	Ritonavir	Resistant	10I, 33F, 46I, 71T, 71V, 77I, [84V], 90M	
R	Viracept®	Nelfinavir	Resistant	10I, 46I, 71V, 77I, 84V, [90M]	
RP	Kaletra®	Lopinavir	Resistance Possible	10I, 33F, 46I, 63P, 71T, 71V, 73S, 84V, 90M	
R	Reyataz®	Atazanavir	Resistant	10I, 33F, 46I, 71I, 71T, 71V, 73S, [84V], 90M, 93L	
RP	Aptivus®	Tipranavir	Resistance Possible	10I, [33F], 46I, [84V], 90M	
RP	Prezista®	Darunavir	Resistance Possible	33F, 73S, 84V	

Predicted response to therapy