

PatientID: NC599-1997

Okitobba 06, 2023

### Color Code

■ HR: High-Level Resistance    ■ PLR: Potential Low-Level Resistance  
■ LR: Low-Level Resistance    ■ IR: Intermediate Resistance  
■ S: Susceptible

DRUG.CLASS	DRUG	RESISTANCE.PROFILE	DRMS.above.20.percent.prevalence
PI	ATV	HR	I54V;V82A;L90M
	DRV	S	
	FPV	HR	
	IDV	HR	
	LPV	HR	
	NFV	HR	
	SQV	HR	
	TPV	LR	
NRTI	ABC	IR	D67N;K70R;T215F;K219Q
	AZT	HR	
	D4T	HR	
	DDI	IR	
	FTC	PLR	
	LMV	PLR	
	TDF	IR	
NNRTI	DOR	S	
	EFV	S	
	ETR	S	
	NVP	S	
	RPV	S	

## Appendix

### Drug abbreviations in full

DRUG.CLASS	ABBREVIATION	DRUG.NAME
<b>PI</b>	ATV	Atazanavir
	DRV	Darunavir
	FPV	Fosamprenavir
	IDV	Indinavir
	LPV	Lopinavir
	NFV	Nelfinavir
	SQV	Saquinavir
	TPV	Tipranavir
<b>NRTI</b>	ABC	Abacavir
	AZT	Azidothymidine
	DFT	Stavudine
	DDI	Didanosine
	FTC	Emtricitabine
	LMV	Lamivudine
	TDF	Tenofovir
<b>NNRTI</b>	DOR	Doravirine
	EFV	Efavirenz
	ETR	Etravirine
	NVP	Nevirapine
	RPV	Rilpivirine
<b>INSTI</b>	BIC	Bictegravir
	CAB	Cabotegravir
	DTG	Dolutegravir
	EVG	Elvitegravir
	RAL	Raltegravir

### Comments

DRUG.CLASS	COMMENTS
<b>PI</b>	I54V is a non-polymorphic PI-selected mutation that contributes reduced susceptibility to each of the PIs except DRV.
	L90M is a non-polymorphic PI-selected mutation that reduces susceptibility to ATV and to a lesser extent LPV.
	V82A is a non-polymorphic mutation selected primarily by IDV and LPV. It is associated with reduced susceptibility to LPV and to a lesser extent ATV. It increases DRV susceptibility.
<b>NRTI</b>	D67N is a non-polymorphic TAM associated with low-level resistance to AZT.
	K219E/Q/N/R are accessory TAMs that usually occur in combination with multiple other TAMs.
	K70R is a TAM that confers intermediate resistance to AZT and contributes to reduced ABC and TDF susceptibility in combination with other TAMs.
	T215Y/F are TAMs that causes intermediate/high-level resistance to AZT and potentially low-level resistance to ABC and TDF.
<b>NNRTI</b>	
<b>INSTI</b>	