



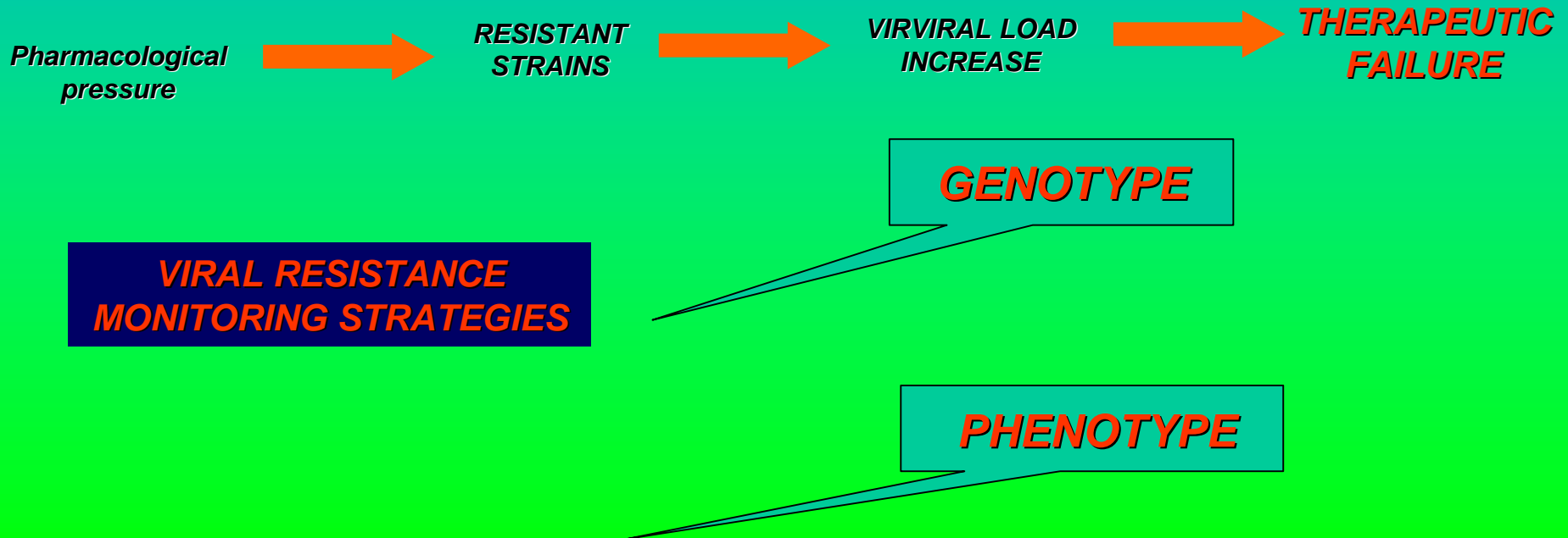
# ANTI-VIROGRAM HIV

A NEW BIO-MOLECULAR TECHNOLOGY  
TO MONITOR ANTI-HIV TREATMENT

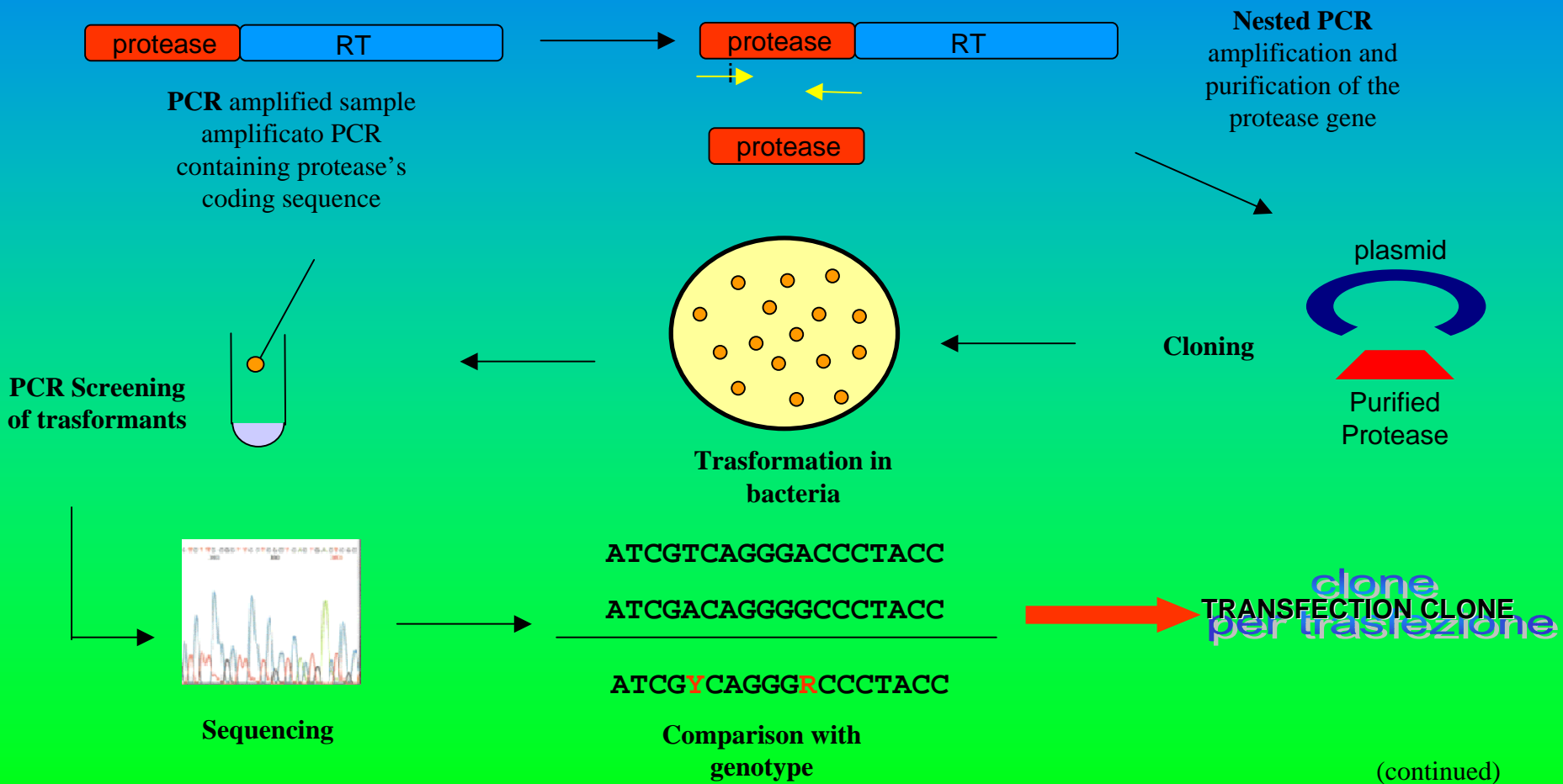
## STATE OF THE ART

Present therapies for controlling HIV-1 infections can reduce viral replication for long periods of time and substantially improve the quality of life in a relevant percentage of infected subjects.

The appearance of resistant strains, under the selective pressure of a specific drug, requires the introduction in clinical practice of strategies for a comprehensive control of the sensitivity towards different therapeutic protocols.

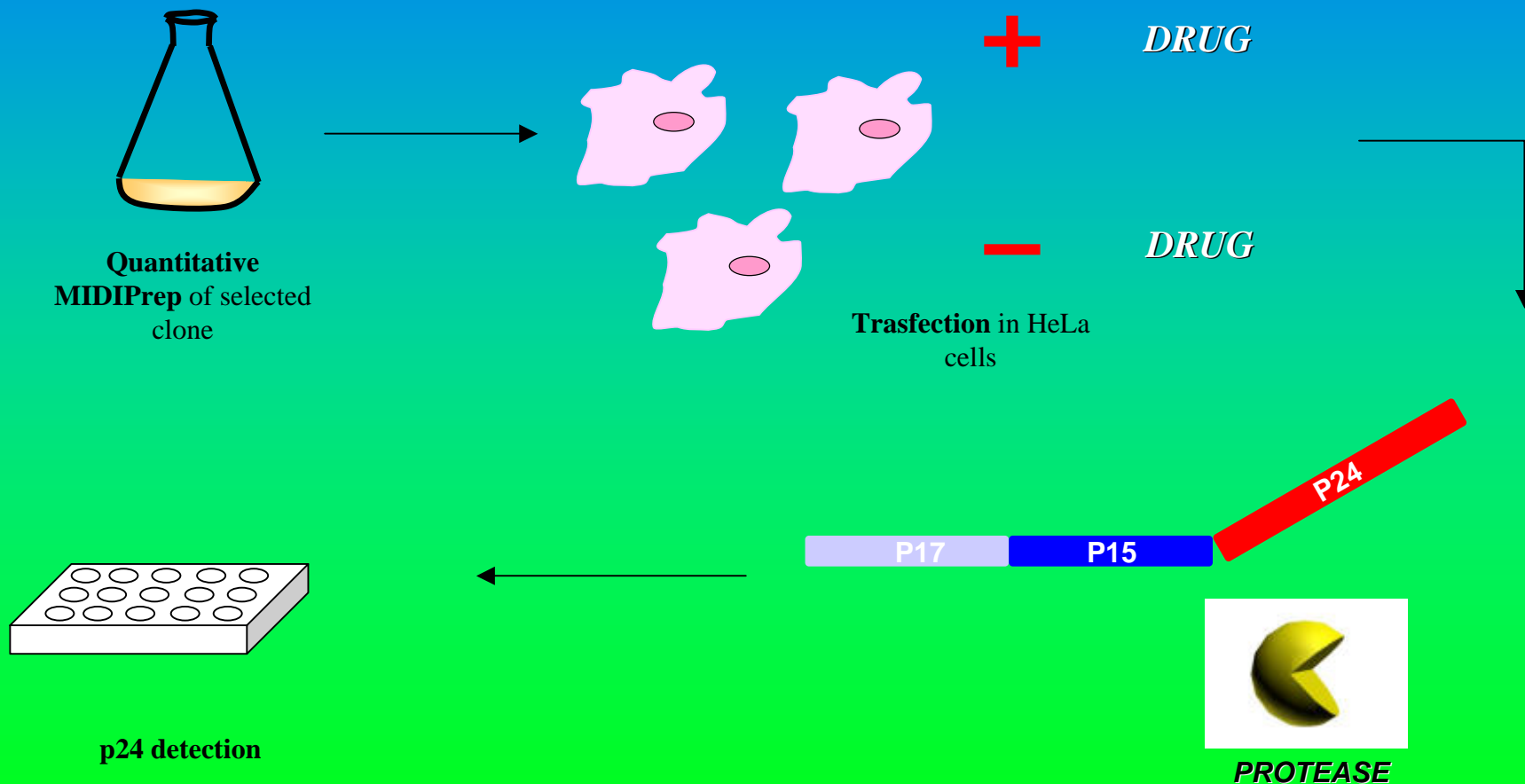


# PHENOTYPE: ANTIVIROGRAM



ATCGTCAGGGACCCTACC  
 ATCGACAGGGGCCCTACC  
 ATCGY CAGGGRCCCTACC

# PHENOTYPE: ANTIVIROGRAM

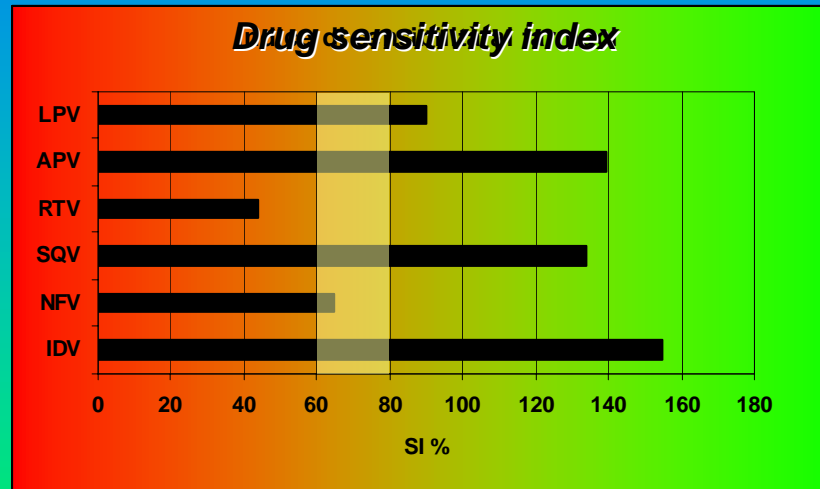


SI % =	(pg/ml p24 Controllo con farmaco / pg/ml p24 Controllo senza farmaco) * 100
	(pg/ml p24 Campione con farmaco / pg/ml p24 Campione senza farmaco)



## FINAL RESULT

$$SI\% = \frac{(PG/ML\ P24\ Controllo\ with\ drug / pg/ml\ p24\ Controllo\ without\ drug) * 100}{(PG/ML\ P24\ Controllo\ with\ drug / pg/ml\ p24\ Controllo\ without\ drug) * 100}$$



*SI% > 80*



***SENSITIVE***

*SI% < 60*



***RESISTANT***

*60 < SI% < 80*



***BORDER LINE***