

ABBREVIATIONS

% B	Organic Content
%CR	Percent Cumulative Release
%RSD	Coefficient of Variation
°C	Degrees Centigrade
µg	Microgram
µm	Micrometer
Å	Angstrom
ACN	Acetonitrile
AIDS	Acquired Immunodeficiency Syndrome
AUC	Area under the zero-moment Curve
BP	Boiling Point
C	Plasma Drug Concentration
cGMP	Current Good Manufacturing Practices
Cl	Clearance
cm	Centimeter
C_{max}	Peak Plasma Concentration
CR	Cumulative Release
DL	Limit of Detection
DNA	Deoxyribose nucleic acid
e.g.	For example
FDA	Food and Drug Administration
FTIR	Fourier Transform Infrared Spectroscopy
g	Gram
GC	Gas Chromatography

GLP	Good Laboratory Practices
HETP	Height Equivalent to a Theoretical Plate
HIV	Human Immunodeficiency Virus
HPLC	High Pressure Liquid Chromatography
hrs	Hours
HTLV	Human T-cell lymphotropic virus
i.e.	That is.
ICH	International Conference on Harmonization
ISO	International Standard Organization
k'	Capacity factor
L	Liter
LAM	Lamivudine
LC	Liquid Chromatography
LOD	Limit of Detection
log %CR	log Percent Cumulative Release
log(100-% ARA)	log % drug remaining to be absorb
LOQ	Limit of Quantitation
Mb	Miscibility Number
min	Minute
mL	Milliliter
mm	Millimeter
mRNA	Messenger Ribonucleic acid
mV.s*	Mili Voltage in Seconds

NaOH	Sodium hydroxide
nm	Nanometer
NVP	Nevirapine
P'	Polarity
psi	pounds/ square inch
R²	Regression Coefficient
RNA	Ribonucleic acid
RPHPLC	Reversed Phase High Performance Liquid Chromatography
RPLC	Reversed Phase Liquid Chromatography
rpm	Rotation per minute
Rs	Resolution
RSD	Relative Standard Deviation
RT	Retention Time
S	Slope of the calibration curve
SD	Standard Deviation
SPE	Solid -Phase Extraction
STDs	Sexually Transmitted Diseases
T_{1/2}	Half-life.
T_{max}	Maximum time
U.S.P	United State Pharmacopoeia.
UNAIDS	United Nation Acquired immunodeficiency Syndrome
USFDA	United State Food and Drug Administration
UV	Ultraviolet – visible spectroscopy

Vd	Volume of distribution
WHO	World Health Organization
ZDV	Zidovudine
3TC	Lamivudine
AZT	Zidovudine
AZTMP	Zidovudine monophosphate
CBV	Carbovir
CDC	Center for diseases control
CSF	Cerebro spinal fluid
Ddc	Zalcitabin
Ddi	Didanosine
FDA	Food and Drug Administration
g/mol	gram/mole
HAART	Highly Active Antiretroviral therapy
ID	Internal diameter
IS	Internal standard
LLOD	Low Limit of Detection
LLOQ	Low Limit of Quantitation
LPV	Lopinavir
mg	milligram
mg/mL	milligram/milliliter
mm	millimole
MS	Mass Spectra

MTCT	Mother to child transmission
nm	nanometer
NNRTs	Non-nucleoside reverse transcriptase inhibitors
NVP	Nevirapine
ODS	Octadecyl Silane
PBMC	Peripheral blood mononuclear cells
PIs	Protease inhibitors
PMTCT	Prevention of mother to child transmission
RI	Refractive Index
SFC	Supercritical Fluid
SIAM	Stability indicating assay method
SV	Stavudine
TDF	Tenofovir
TDM	Therapeutic drug monitoring
THF	Tetra Hydrofuron
US	United State
UV	Ultraviolet
v/v	Volume by volume
VCT	Voluntary counseling and testing
α	Residual standard deviation