

Materials List for:

An Affordable HIV-1 Drug Resistance Monitoring Method for Resource Limited Settings

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URL: <https://www.jove.com/video/51242>

DOI: [doi:10.3791/51242](https://doi.org/10.3791/51242)

Materials

Name	Company	Catalog Number	Comments
Superscript III 1st strand Synthesis kit	Life Technologies	18080051	Reverse Transcription
SATURN/LiFE Technologies Custom Primers	Life Technologies	4473517	PCR
Platinum Taq	Life Technologies	10966026	PCR
PureLink QUICK PCR Purification Kit	Life Technologies	K310002	PCR
Viroseq	ABBOTT	4J94-20	Reverse Transcription and PCR
Agarose Tablets (Dnase/Rnase free)	BIOLINE	BIO-41027	PCR
TBE Buffer	MERCK	1.06177.2500	PCR
O'Range Ruler 200 bp DNA Ladder	Fermentas	FE SM0633	PCR
Novel Juice	GeneDireX	LD001-1000	PCR
MiniBis Bioimaging System	DNR Bioimaging Systems Ltd		Gel Documentation
Power Pac 300	BIORAD		Gel Electrophoresis
Big Dye Terminator Kit version 3.1	Life Technologies	4337456	Sequencing
Arrays	Life Technologies	4319899	Sequencing
PoP	Life Technologies	4363785	Sequencing
10x EDTA Buffer	Life Technologies	402824	Sequencing
Formamide	Life Technologies	4311320	Sequencing
5x Sequencing Buffer	Life Technologies	4336697	Sequencing
3130 xl Genetic Analyzer	Life Technologies		Sequencing
GeneAmp PCR System 9700	Life Technologies		RT/PCR/Sequencing
Centrifuge 5804	EPPENDORF		Sample Processing
Centrifuge 5415R	EPPENDORF		RNA Extraction
Centrifuge 5415R	EPPENDORF		RT and PCR
Centrifuge 5415D	EPPENDORF		PCR Product Clean up
Centrifuge 5810	EPPENDORF		Sequencing Clean up
Picofuge	BIORAD	C1301-230V	RT and PCR
Vortex Genius 3	IKA		RNA extraction and reagent preparation
Vortex mixer	IKA		Sequencing Cleanup

NanoDrop 2000 UV/VIS spectrophotometer	ThermoScientific		DNA quantification
3 M Sodium Acetate	MERCK	567422	Sequencing Clean up
Absolute Ethanol	MERCK	SAAR2233540LP	Sequencing Cleanup
1.5 ml SARSTEDT Tubes	BIODEX	72.692.005	RNA Extraction
2 ml SARSTEDT Tubes	BIODEX	72.693.005	RNA Extraction
2 ml Collection tubes	SCIENTIFIC GROUP	MCT-200-NC/S	RNA Extraction
Optical MicroAmp 96-well reaction plates	Life Technologies	N8010560	Sequencing
200 µl 8 Strip StarPCR Tubes with attached flat caps	STAR Lab - supplied by CELTIC	A1402-3700	RT and PCR
200 µl PCR individual tubes	Scientific Group	CR/3745	RT and PCR
Geneious	Biomatters		Sequence analysis
Internet Access			Preferrably high speed
Web resources			
hivdb.stanford.edu	Stanford University		Drug reistance analysis
http://bioafrica.mrc.ac.za:8080/regadb-ui/RegaDB	SATuRN		database
http://bioafrica.mrc.ac.za/tools/pppweb.html	SATuRN		Sequence quality tool