



TRAINING ON HIV DRUG RESISTANCE

FACILITATORS: Maurizio Zazzi, EuResist Network - University of Siena

Hosted by World Friends - Venue: KEMRI TRAINING CENTER

Dates: 20th to 22nd February 2012

Monday: 20th February 2012 Trainers: Maurizio Zazzi & one tech staff to be nominated, University of Siena - EuResist Network		
9.00 – 9.30	Arrival and registration	
9.30 – 9.45	Introductions Welcome Speech	
9.45 – 10.45	Refresh of the steps required for genotypic drug resistance testing	
10.45 – 11.30	Discussion about the setup of HIV drug resistance testing laboratory at the local centers involved in the project	
11.30 – 11.45	COFFEE BREAK	
11.45 – 13.45	Step-by-step parallel theory and practical session	Sample processing & HIV RNA extraction
13.45 – 14.45	LUNCH	
14.45 – 15.45	Step-by-step parallel theory and practical session	HIV RNA reverse transcription
15.45 – 17.15		First PCR

Tuesday: 21st February 2012 Trainers: Maurizio Zazzi & one tech staff, University of Siena - EuResist Network		
9.00 – 11.15	Step-by-step parallel theory and practical session	Nested PCR
11.15 – 11.30	COFFEE BREAK	
11.30 – 13.15	Step-by-step parallel theory and practical session	Analysis of PCR products
13.15 – 14.15	LUNCH	
14.15 – 16.00	Sequence reading, handling and interpretation Troubleshooting	

Wednesday : 22nd February 2012. Trainers: Maurizio Zazzi & one tech staff, University of Siena - EuResist Network		
9.00 – 13.00	PRACTICAL SESSION (RT-PCR)	
13.00 – 14.00	LUNCH	
14.00 – 15.00	Storage and shipment of amplified products for remote resistance testing Collection, storage and shipment of dried blood spots for remote resistance testing	
15.00 – 17.00	Study protocol for comparing the split genotyping procedure with dried blood spot genotyping Summary activities and questions	