Quality Assurance

Data and Lab Management
Safety
Customer Service

Pre-Testing
Post-Testing
Testing
CCMTP Testing Laboratories

KwaZulu-Natal Health Districts

- CD-4
- Viral load
- PCR
Sample Collection: HIV Viral Load

- Responsibility = Clinic
- Standard Precautions
- EDTA tube (with GEL)
- Minimum Volume - adults = 5 ml
  - children = 2 ml
- Cannot Tested
  - Clotted
  - Old
  - Haemolysed samples
  - Insufficient volume
All Details must be Legible and Complete

- Name and Surname
- Age
- Gender
- Number
- Name of Facility
- Test
- Clinical details
- Collection date, time
- HCW Details

- Data capture
- Monitoring of CCMT Program
- Quality Assurance

Sample details MUST = Request form details
Sample Transport

Clinic

Peripheral Laboratory

Processing

Check sample and Request form- Data Capture into LIS
Spin within 2-6 hrs of collection at 1100 rpm x10 min
Store and transport at 4°C until tested
HIV Viral Load Results

- **Validity**: 2-9% False Positive Rate (<10,000 c/mL)
  

- **Reproducibility**: 0.3-0.5 log change (95% CI)

  (JID 1997;175-247, AIDS 1999;13:2269)

**CCMTP**: Undetectable by 6/12
Patient Result: 10 000 copies/ml

$\log 10 000 = 4$

using lower limit of 0.3 log range

$3.85 \text{-} 4.15 \rightarrow 7 079 \text{ - } 14 125 \text{ copies/ml}$

using upper limit of 0.5 log range

$3.75 \text{-} 4.25 \rightarrow 5 623 \text{ - } 17 782 \text{ copies/ml}$

(Bartlett, J.G and Gallant, J.E. 2009/2010 Medical Management of HIV Infection)
TAT HIV VL+PCR : June-September 2011

% TAT within 96 hours

- HIV VL
- HIV PCR

June-September 2011

TAT June-September 2011
Contact Details

Operational Issues

Peripheral Laboratory Manager x55

Business Unit Manager x7

KZN NHLS CCMTP Co-ordinator
Martin Xaba and Xoliswa Jeza
TEL : 031- 327 6700