





On-site Training at Takeo Provincial Hospital Laboratory November 12-15, 2018

Quality Control Overview

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Quality Control

Establish range for new lot:

- ✓ At least 20 values
- ✓ At least 2 weeks or 10 working days, and
- ✓ Preferably over at least 4 weeks or 20 working days

QC range calculation

- 1. Calculate **mean** = 20 data results new QC lot.
- 2. Use your lab historical CV from old QC.
- 3. Calculate SD.

(Historical)
$$CV = SD * 100$$

Mean

- 4. Set "temporary" QC range (new lot).
- 5. Set up LJ chart.

Practical 1

QC Handling process

- Preparation
- Storage
- Thawing

Handling process- Preparation

- 1. Take out QC bottle from a fridge.
- 2. Leave on table.
- 3. Take diluent or water place on the table.
- 4. Wait for 15 mins. Set timer.
- 5. Use pipette to re-constitute the QC.
- 6. Leave for 15 mins. Set timer.
- 7. Roll gently 15 mins. Set timer.
- 8. Ready for use.



Handling process- Storage

- Prepare your aliquot tubes.
- 2. Calculate the number of aliquots.
- 3. Keep in freezer (master log for reagent)
- 4. Details on storage box: Labelling
 - a. Content and quantity, concentration or titer (manufacture lot number, level)
 - b. Storage requirements (temperature)
 - c. Date prepared
 - d. Expiry date
 - e. Med Tech Initial
- 5. Fill in QC log book.
- 6. Fill in QC LJ chart.
- 7. Limit work to <1 hour.

Handling process- Thawing

- 1. Take out a frozen aliquot from a freezer
- 2. Leave on table.
- 3. Wait for 15 mins. Set timer.
- 4. Mix gently. Use a micropipette.
- 5. Limited to room temperature exposure to <1 hour





Questions?