
TDM and DAU Testing Guide

RC.CH.CSL.ARC.RG.009

Purpose

To provide a reference to facilitate the transition of TDM and DAU testing on the Abbott Line.

Guide

Reagents- Gently mix all reagents before loading on the analyzer.

User Defined Reagents

Fentanyl – Reagent EA is R1 and Reagent ED is R2.

Oxycodone- Reagent A is R1 and Reagent E is R2

Acetaminophen- Enzyme Reagent is R1(1 Bottle) and Color Reagent is R2 (2Bottles)

Methotrexate- Antibody Substrate Reagent is R1 and Enzyme Reagent is R2

Adding a New Lot User Defined reagents/change reagent wedge current lot

Sign in as ADMIN

1. Select System at the top of the screen, Configuration, Assay Categories.
2. Select Reagent Settings, Designated Assay and Configure (F-6)
3. The Configure reagent window displays.
4. Select the New Lot option under lot number. Enter the Lot Number, Expiration and Serial Number. (Note: The serial number is required. Use the date the reagent is put in use.)
5. Define the cartridge size. Select Done.
6. Packs of the same lot can be replaced in the same location as the onboard pack by selecting Reagents, Highlighting the Reagent Pack and Selecting F-8 Reset.

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7. To REMOVE old packs- Instrument must be in READY. Reagents, Status, Assign Location. Select pack removed. Click Unload- Done
8. To Add same lot. Instrument must be in READY. Go to Reagents-Status-Assign Location (at bottom). Pick Blank reagent and assign segment and position for R1 and R2. Click Add-Done.

QC Notes

UTAK AP control is used for the DAU--- Cannabinoids tend to drift when the reagent is low. Put on new reagent. When the QC bottle is low, Cannabinoids are usually the first indicator that a new bottle of QC is needed.

ACETU and SALIU use the same curve as serum so only the ACETA and SALIC are controlled.

IMM PL is used for TDM

MTX-LMH are run daily for Methotrexate. **MTX DIL** are run weekly for Methotrexate.

Sample Types

Red Top is the tube of choice for TDM

Acceptable on SST

Lithium

Digoxin

Theophylline

Valproic Acid

Vancomycin

Authorized Reviewers

Chemistry Supervisor or Lead Technologist

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