PROCEDURE
Corewell Health East - KOVA-Trol Urinalysis Control - Royal Oak

This Procedure is Applicable to the following Corewell Health sites:
Corewell Health William Beaumont University Hospital (Royal Oak)

Applicability Limited to: N/A

Reference #: 34288

Version #: 2

Effective Date: 12/01/2025

Functional Area: Clinical Operations, Laboratory

Lab Department Area: Lab - Urinalysis

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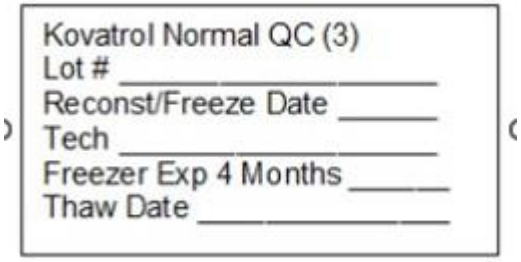
1. **Principle**
   The purpose of this procedure is to provide guidance on how to prepare, store, and utilize KOVA-Trol Quality Control (QC) for Urinalysis

2. **Responsibility**
   Personnel who have completed the competency requirements will perform this testing.

3. **Product**
   A. 60 mL bottle
   B. **Stability**
      1. Expiration date is stated on the label for lyophilized product when stored at 2-8°C.
      2. Stable 7 days at 2-8°C after reconstitution. Protect from light.
      3. Sample aliquots are stable up to 1 month when stored frozen with airtight seal at -20°C. Protect from light.
      4. Aliquots may be frozen and thawed only once.
   C. **Reconstitution**
      1. (60 mL bottle size) Kova-Trol Normal
         a. Add 60 mL deionized water using volumetric pipettes.
         b. Replace rubber stopper and rotate intermittently until all lyophilized material has dissolved (approximately 20-30 minutes).
      2. (60 mL bottle size) Kova-Trol Abnormal
         a. Add 60 mL deionized water using volumetric pipettes.
         b. Replace rubber stopper and rotate intermittently until all lyophilized material has dissolved (approximately 20-30 minutes).
   D. **Storage - For Kovatrol Normal QC (3)**
      1. Aliquot 3 mL fractions to each twenty graduated urine centrifuge tubes. Seal with airtight stopper.
      2. Label each vial with the following:



3. PROTECT VIALS FROM LIGHT!
4. Freeze vials at -20°C

E. **Storage for Kovatrol Abnormal QC (1)**
1. After the bottle is reconstituted, it will be stored at 2-8ºC
2. Label the bottle with the date reconstituted and the expiration date of 7 days after resonstitution.

4. Procedure

A. Kova-trol Normal - Thaw an aliquot as needed. Allow the aliquot to reach room temperature naturally. **DO NOT USE WARMING BLOCK OR WARM WATER TO THAW!**
B. Kova-trol Abnormal – In a conical tube aliquot a 3-5 mL portion. Allow the aliquot to reach room temperature naturally. **DO NOT USE WARMING BLOCK OR WARM WATER TO THAW!**
C. Gently mix aliquot before testing.

5. Results/Interpretation

A. Document both KovaTrol Normal and Abnormal Quality Control (QC) for the Clinitek Advantus DAILY, (ALL SHIFTS) in UNITY.
B. Dayshift will document both KovaTrol Normal and Abnormal QC in Unity, for Refractometer at the start of the shift.
C. Dayshift will run both KovaTrol Normal and Abnormal Quality Control for the Clinitek Novus. Review the QC at the Sysmex UDM
D. **QUALITY CONTROL CHECKS (both Kova Trol Normal and Abnormal QC) ARE REQUIRED WHENEVER A NEW BOTTLE or NEW PACK OF REAGENT IS OPENED!** Document results in Unity or review at the Sysmex UDM.

6. Revisions

Corewell Health reserves the right to alter, amend, modify, or eliminate this document at any time without prior written notice.

7. Procedure Development and Approval

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8. Keywords

Not Set