 <p>Franciscan Health System</p> <p>St. Clare Hospital Lakewood, WA St. Anthony Hospital Gig Harbor, WA St. Elizabeth Hospital Enumclaw, WA St. Francis Hospital Federal Way, WA St. Joseph Medical Center Tacoma, WA</p>	<h1 style="color: blue;">WORK INSTRUCTION</h1>	DOCUMENT NUMBER J-W-UA1031-01
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MICROSCOPIC URINALYSIS ON THE iQ200		

PURPOSE

To provide instruction for processing and running urine specimens on the IRIS iQ200.


SPECIMEN REQUIREMENTS

- The urine specimen should always be tested at room temperature. Allow specimens to warm to room temperature after removing from the refrigerator before testing. Do not centrifuge urine specimens unless grossly cloudy.
NOTE: For specimens with gross hematuria or grossly turbid, centrifuge the urine specimen prior to running on the AX-4280. Do not centrifuge for the microscopic exam on the iQ200, make an appropriate dilution of the sample before placing on the instrument for testing. See work instruction J-W-UA 1034.
- Specimen volume for analysis for both the AX-4280 and iQ200 microscopic should be 5-6ml. 2.0 mls are needed for the AX-4280 and 3.0 mls are needed for the iQ200.

PROCEDURE

- Place patient larger barcode label onto a Kova tube or plain yellow collection tube.
- Swirl urine to mix and transfer into corresponding tube. Do not exceed the maximum volume of 6 mls. Place tube into a patient sample rack, facing the barcode out.
NOTE: If the urine order is UR W/M CS, UR W/MICRO or XUA R (these are all codes that include a microscopic exam) you MUST run the microscopic exam first, then the AX-4280.
- Load samples onto the AX-4280. If the blue light is lit the rack will move the samples automatically. If the Standby light is on (green), press the START button located on the upper left side of the AX-4280.
- After the sample process is completed on the AX-4280 and a microscopic test is indicated, the sample rack will automatically transfer via the bridge connection to the iQ200 for processing.
The following tests will trigger the instrument to run the microscopic exam automatically:
 - Blood, trace or greater
 - Protein, 1+ or greater
 - Leukocyte esterase, 1+ or greater
 - Clarity other than clear
 - Nitrite positive
- After sample processing is completed on the iQ200, the sample racks can be unloaded from the left side of the iQ200 sampler. Normally several minutes are needed to “marry” the results from the AX and iQ together for release or editing.

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Related Documents	Forms None	

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<h2>MICROSCOPIC URINALYSIS ON THE iQ200</h2>		

6. To review specimen results, double click the specimen row or use the SEARCH button to find the specimens. Refer to R-W-UA 1021-00 for instructions.
7. Normal urine values will release to Cerner for verification. Unreleased results or results that need further follow-up can be seen on the Work List screen. See J-PR-1030-00 for editing result instructions.
8. To run the iQ200 alone, place sample rack on the right side of the iQ200 sampler rack and press the START button on the upper left of the iQ200 instrument and continue with Step 5 above.
9. All parameters have been defined on the IRIS database and results will be held on worklist until parameters outside of range can be verified. For microscopic results the lower limit is 0, and the upper linearity limit is >182. Patient results will have a discrete number or resulted as 0 or >182 for certain parameters. If dilution is necessary to achieve a result see work instruction J-W-UA 1034.

REFERENCES

1. iQ200 Operator's Manual, IRIS international, 7/2004.