



Clinitek Status + for Hematology-Oncology

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the montreal
children's
hospital
foundation



Clinitek Status+ Analyzers for the Hematology-Oncology Inpatient Unit



To prevent kidney injuries, our oncology and transplant patients require regular hydration. Cancer patients also require frequent urine monitoring and voiding, which are related to the side effects of chemotherapy administration.

Presently, all urine tests are sent to the lab, thereby decreasing efficiency and increasing wait times for medical interventions.

The Clinitek Status+ will bring the Division's urine test analysis to a standard testing method, far superior of the manual dipsticks currently used.

The use of this analyser will help prevent delays in treatment and allow us to provide optimal care to our patients. Results obtained from Clinitek Status+ will help us determine necessary interventions such as chemotherapy and other kind of medication treatments.

To meet the demand of the unit, **two (2) analyzers are needed**. Since this machine is used daily, a **back-up is essential to ensure continuity of care**.

A comparative table between the traditional urine testing and this new analyser is attached. It compares the benefits of this new tool versus the dipstick method currently used at the Children's.



Comparative Analysis

Manual urine dipstick vs Clinitek Status+ analyser

Manual urine dipstick

Clinitek Status+ for urine analysis

Quality Control: user must remember to check expiry dates, perform daily QC and record results on a log-sheet.

Patient Testing: user must record his UIN#, patient ID, strip lot # with expiry date and test results on a result sheet.

Analyzer will be equipped with a barcode reader for data entry of operator ID, patient ID, lot number traceability and expiry dates of quality control materials and supplies.

Results could vary from user to user due to subjective interpretation of color pads.

Better precision and results due to standardization.

User is required to use a timer during the technique to interpret color test pads at specific times.

Strip is dipped and loaded by the user. The analyzer does the rest.

Dip to read time (results) is 2 minutes.

Dip to result time is about 1 minute.

Users that are colorblind cannot perform testing.

No restrictions due to colorblindness.

Patient results are scanned into OACIS under "NOTES" days later. Not accessible in Laboratory information System (LIS).

Analyzer will be interfaced to LIS/OACIS for transfer of results. (automatic print out is also available)

Sample interference detection is limited.

Analyzer provides printed comment if certain common interferences are detected that could compromise results.

Integrity of test strip is not tested for humidity.

Analyzer checks each test strip for overexposure to humidity. If detected then reporting is prevented.



Budget

The cost of acquiring this equipment is approximately \$15,000, including installation, connection to Wi-Fi, cleaning materials and taxes.

Categories	Cost
Clinitek Status+ machine + code bar reader kit + Clinitek Status+ connector (\$2875 x 2)	\$5,750
Installation of electrical outlet + internet installation and activation	\$7,000*
Backup Clinitek Status+ bar code reader kit + connector	\$1,600
Cleaning*	\$650
TOTAL	\$15,000

*Estimated costs that will be finalized once equipment is ordered





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