

DATE:	3 April 2023
TO:	Provincial: Physicians, Nurses and HealthCare Providers of Renal Continuous Replacement Therapy (CRRT)
FROM:	Dr Etienne Mahe, Hematopathologist & Medical Informatics Lead, Alberta Precision Laboratories
RE:	New Test in Connect Care - Cell Count, CRRT Effluent (Continuous Renal Replacement Therapy)

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Key Message

- **Effective March 29, 2023, there will be a new test in Connect Care called “Cell Count, CRRT Effluent”** The lower limit of detection of the Red Blood Cell Fluid count will be $1,000 \times 10^6/L$. This may be different from what is reported as the lower limit of detection for “Cell Count, Body Fluid”.

Background

- Clinicians are currently requesting cell counts on CRRT Effluent, by ordering a “Cell Count, Body Fluid”. This is problematic as this is not a type of Body Fluid and also has different testing requirements.
- This new test has been developed to ensure the correct fluid type is represented in the patient’s chart, and that the correct parameters are assessed.
- Fluid appearance, clarity and Red Blood Cell count (RBC, Fluid) will be reported
- No reference ranges will be reported
- A comment will be appended to the RBC, Fluid. “Disclaimer: CRRT, effluent fluid RBC count is not a validated test and has no established published reference range.”

Action Required

- When ordering Cell Count, CRRT Effluent select the type and source as Other.

Effective

- March 29, 2023

Questions/Concerns

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Approved by

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