

Creatinine Clearance

This reference sheet should help you understand the creatinine clearance laboratory results viewed in the eHR Viewer. If you are comfortable with or reliant upon a specific calculation then you should not rely solely on the result numbers in the eHR Viewer - continue to calculate your patient's creatinine clearance as usual.

Overview

Each health region completes the test "creatinine clearance"; however, the test results for those creatinine clearances may not be comparable. The potential difference in the results is based on a number of factors that are taken into account when performing the actual testing.

Because of these differing factors, you cannot compare all the creatinine clearance results. eHealth has done work in the background to ensure that the various creatinine clearance test results are mapped to a *common standardized name*. This facilitates comparison between the creatinine clearance results from the different regions and therefore, be viewed together.

Mapping using pCLOCD

The pCLOCD is a Canadian standard that is used to help map laboratory tests to a common standard across the country. pCLOCD uses 6 attributes when mapping, some of which are; component (what is being measured), specimen type, method, units of measure, and timing. One other attribute to be considered is the standardized or pCLOCD Viewer Name that is used in the eHR Viewer. The pCLOCD viewer name incorporates extra information if it is clinically significant to ensure the result is represented correctly.

A few examples are:

Creatinine Clearance/1.73 Sq M; 24h

Creatinine Clearance; 24h

No assumptions are made during the mapping process and the mapping team does a lot of ground work to ensure the Laboratory Information System (LIS) results are mapped correctly.

Examples of Creatinine Results

Pay attention to the difference in the result names – these differences identify how different calculations are used to get the actual creatinine clearance value.

Creatinine Renal Clearance Panel Adjusted For Body Surface Area; 24h (Creat Cl; Urine; 24h)

[View Cumulative Results](#)

Time Collected	2012-Jan-13 11:30	Time Received	2012-Jan-13 11:30
Time Reported		Order Number	FHHR0007
Ordering Provider	TEST, IMA	Status	Final results
Specimen Source		Source	FHHR
Copied To			

Test	Result	Ref. Range (Units)	Abnormality	Status
Collection Start Date; Urine (Collection Start Date)	12-01-2012			Final
Collection Start Time; Urine (Collection Start Time)	0600			Final
Collection End Date; Urine (Collection End Date)	13-01-2012			Final
Collection End Time; Urine (Collection End Time)	0600			Final
Specimen Volume; Urine; 24h (Volume; 24h Urine)	2000	(mL)		Final
Creat Cl; Urine; 24h (Creat Cl; Urine; 24h)	1.67	1.40-2.09 (mL/sec)		Final

* Abnormal ** Critically Abnormal

Creatinine Clearance; 24h (Creat.Clear.Actual,24HR) [View Cumulative Results](#)

Time Collected	2011-Mar-06 11:31	Time Received	2011-Mar-06 11:34
Time Reported	2011-Mar-06 12:17	Order Number	RQHR0008
Ordering Provider	ASHCROFT, RICHARD	Status	Final results
Specimen Source		Source	RQHR
Copied To			

Test	Result	Ref. Range (Units)	Abnormality	Status
Collection Start Date; Urine (Collection Start Date)	July 6			Final
Collection Start Time; Urine (Collection Start Time)	645			Final
Collection End Date; Urine (Collection End Date)	July 7			Final
Collection End Time; Urine (Collection End Time)	645			Final
Specimen Volume; Urine; 24h (Volume 24 hr Urine)	1250	(mL)		Final
Creatinine; Urine; 24h (U Creatinine - 24 Hour)	15.6	7.1-18.0 (mmol/d)		Final
Creatinine Clearance; 24h (Crea Cl 24h(Actual))	^a ** 328.23	(mL/min)	HH	Final

* Abnormal ** Critically Abnormal