

## Piccolo Xpress - Results Interpretation Guide

### Example (A)

#### Test Result

piccolo xpress  
Comprehensive Metabolic  
14 Oct 2009 07:29 AM  
Sample Type: Patient  
Patient ID: 70439-0  
Gender: Male  
Race: White  
Operator ID: 1  
Disc Lot Number: 9411BC4  
Serial Number: 0000P03015

NA+	130	128-145	mmol/L
K+	3.9	3.6-5.1	mmol/L
tCO2	~~~	18-33	mmol/L
CL-	101	98-108	mmol/L
GLU	128 *	73-118	mg/dL
CA	9.6	8.0-10.3	mg/dL
BUN	~~~	7-22	mg/dL
CRE	1.5 *	0.6-1.2	mg/dL
ALP	42	53-128	U/L
ALT	17	10-47	U/L
AST	22	11-38	U/L
TBIL	0.7	0.2-1.6	mg/dL
ALB	3.8	3.3-5.5	g/dL
TP	7.6	6.4-8.1	g/dL

QC OK  
(HEM 0 LIP 0 ICT 0)

#### Error Report

piccolo xpress  
Comprehensive Metabolic  
14 Oct 2009 07:29 AM  
Sample Type: Patient  
Patient ID: 70439-0  
Gender: Male  
Race: White  
Operator ID: 1  
Disc Lot Number: 9411BC4  
Serial Number: 0000P03015

01	EDEE	FFFF	6CFF	FFFF
02	B9DF	FFFF	9940	FFFF
03	0000	0000	0000	0000
04	0000	0000	0000	0000
05	0000	0000	0000	0000
06	0000			
NA+	130	0000	0000	mmol/L
K+	3.9	0000	0000	mmol/L
tCO2	~~~	2000	0000	mmol/L
CL-	101	0000	0000	mmol/L
GLU	128 *	0000	0000	mg/dL
CA	9.6	0000	0000	mg/dL
BUN	~~~	0020	0000	mg/dL
CRE	1.5	0000	0000	mg/dL
ALP	42	0000	0000	U/L
ALT	17	0000	0000	U/L
TBIL	3.6	0000	0000	mg/dL
ALB	3.8	0000	0000	g/dL
TP	7.6	0000	0000	g/dL

RQC: 100  
(HEM -40 LIP 161 ICT 9)

Version: 2.1.31

#### ~ ~ ~ (Tildes)

A suppressed test result.

Test cannot be determined due to any of the following:

- sample bead mix problem
- nonlinear reaction
- endpoint reaction not reached
- concentration outside the analyzers capability

#### \* (Asterisk)

Test results are falling outside of the patient normal reference range set in the analyzer.

#### Reagent QC

"QC OK" prints when the reagents used to detect exposure to extreme conditions such as temperature and humidity are within expected ranges.

#### Sample Indices (Qualitative Interference)

**HEM** – Hemolysis (rupturing of red blood cells)

**LIP** – Lipemia (fat in the blood)

**ICT** – Icterus (bilirubin in the blood)

**0** = None **1+** = Slight  
**2+** = Moderate **3+** = Gross

#### Sample Indices (Quantitative Interference)

There is a specific limit of interference for each individual analyte.

#### Internal Troubleshooting Codes

#### Reagent RQC

Value used to evaluate the viability of the reagents at the time of the test run.

#### Software Version

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### Example (B)

#### Test Result

piccolo xpress  
Comprehensive Metabolic  
14 Oct 2009 07:29 AM  
Sample Type: Patient  
Patient ID: 70439-0  
Gender: Male  
Race: Unknown  
Operator ID: 1  
Disc Lot Number: 9411BC4  
Serial Number: 0000P03015

.....  
NA+ ~~~ ! 128-145 mmol/L  
K+ < 1.5 ! 3.6-5.1 mmol/L  
tCO2 11 ! 18-33 mmol/L  
CL- ~~~ ! 98-108 mmol/L  
GLU 62 ! 73 -118 mg/L  
CA 5.6 ! 8.0-10.3 mg/L  
BUN 15 ! 7-22 mg/L  
CRE 0.7 ! 0.6-1.2 mg/L  
eGFR N/C ml/min  
ALP 38 ! 53-128 UI/L  
ALT 18 ! 10-47 UI/L  
AST 20 ! 3.6-5.1 U/L  
TBIL 11 ! 18-33 mg/dL  
ALB 2.5 ! 128-145 g/L  
TP 3.7 ! 3.6-5.1 g/L

QC OK  
HEM 0 LIP 0 ICT 0  
! CONFIRM LOW RECOVERIES !

< or >

Test results have exceeded the dynamic range.

#### eGFR N/C

Estimated Glomerular Filtration Rate  
(Not Calculated)

This appears when the operator has failed to enter one or more of the following when prompted by the analyzer:

- Age ( $\geq 18$  and  $\leq 70$ )
- Gender
- Race

In addition to the original test result, an Error Report will print out each time the eGFR is not calculated.

#### ! Confirm Low Recoveries !

! Indicates that one or more test results are very low and this is a possible "short or diluted" sample.

### Example (C)

#### Error Report

piccolo xpress  
Comprehensive Metabolic  
08 Dec 2010 03:27 PM  
Sample Type: Patient  
Patient ID: 71805 - 0  
Disc Lot Number: 0353BA3  
Serial Number: 0000P04302

.....  
01 B40F FFFF 6CFF FFFF  
02 B9DF FFFF 5BAD B9EF  
03 0000 0000 0000 0000  
04 0000 0000 0000 0000  
05 0000 0000 0000 0000  
06 0000

RQC: 98  
HEM ~~~ LIP ~~~ ICT ~~~

Version: 2.1.31  
403D Sample Mix Error

#### 4XXX

Disc Cancellation  
4 Digit Error Code &  
Error Message

### Example (D)

#### Error Report

piccolo xpress  
Lipid Panel  
14 Jan 2011 01:27 PM  
Sample Type: Patient  
Patient ID: 33258 - 0  
Disc Lot Number: 0353BA3  
Serial Number: 0000P04302

.....  
01 B40F FFFF 6CFF FFFF  
02 B9DF FFFF 5BAD B9EF  
03 0000 0000 0000 0000  
04 0000 0000 0000 0000  
05 0000 0000 0000 0000  
06 0000  
CHOL 225 \* 0000 0000 mg/dL  
HDL LIP 0400 0000 mg/dL  
TRIG 471 \* 0000 0000 mg/dL  
TC/H ~~~ 0000 0002  
LDL LIP 0400 0000 mg/dL  
VLDL LIP 0400 0000 mg/dL

RQC: 100  
HEM 3 LIP 261 ICT 1

Version 2.1.31

#### LIP

(Lipemic Interference)  
Lipemia has adversely affected the result of this test.