



**Newborn Screening Quality Assurance Program
Data Verification and Evaluation**

Year: 2018 Quarter: 3

Lab: 773

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Acylcarnitines

Analyte	Specimen 31861		Specimen 31862		Specimen 31863		Specimen 31864		Specimen 31865	
	Result	Code	Result	Code	Result	Code	Result	Code	Result	Code
C0(L)										
C3										
C3DC										
C3DC+ C4OH										
C4										
C4OH										
C5										
C5:1										
C5DC										
C5OH										
C6										
C8										
C10										
C10:1										
C10:2										
C14										
C14:1										
C16										
C16OH										
C18										
C18:1										
C18OH										

Codes: 1 = Within normal limits 2 = Outside normal limits

*= No quantitative data reported

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Amino Acids

Analyte	Specimen 31851		Specimen 31852		Specimen 31853		Specimen 31854		Specimen 31855	
	Result	Code	Result	Code	Result	Code	Result	Code	Result	Code
Arg										
Cit										
Leu	97.3	1	154.6	1	90.9	1	364.9	2	96.4	1
Met	256.0	2	30.4	1	22.2	1	26.3	1	26.8	1

Phe	101.8	1	79.4	1	579.1	2	89.5	1	90.9	1
SUAC										
Tyr	259.8	2	292.1	2	47.9	1	129.8	1	86.7	1
Val	71.5	1	80.7	1	72.7	1	899.1	2	71.0	1

Codes: 1 = Within normal limits 2 = Outside normal limits

*= No quantitative data reported

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Biotinidase Deficiency

Analyte	Specimen 31871		Specimen 31872		Specimen 31873		Specimen 31874		Specimen 31875	
		Code		Code		Code		Code		Code
BIOT		1		1		2		1		2

Codes: 1 = Normal activity 2 = Deficiency 3 = Partial deficiency

*= No quantitative data reported

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Galactose-1-Phosphate Uridyltransferase Deficiency

Analyte	Specimen 31891		Specimen 31892		Specimen 31893		Specimen 31894		Specimen 31895	
		Code		Code		Code		Code		Code
GALT		1		2		2		1		1

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Glucose-6-Phosphate Dehydrogenase

Analyte	Specimen 31831		Specimen 31832		Specimen 31833		Specimen 31834		Specimen 31835	
		Code		Code		Code		Code		Code
G6PD		1		1		1		2		2

Codes: 1 = Within normal limits 2 = Outside normal limits

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Hormones and Galactose

Analyte	Specimen 31811		Specimen 31812		Specimen 31813		Specimen 31814		Specimen 31815	
	Result	Code	Result	Code	Result	Code	Result	Code	Result	Code
T4	1.6		1.6		20.7		19.3		17.3	
TSH	93.5	2	92.3	2	5.8	1	12.2	1	5.0	1
17OHP	5.6	1	6.3	1	82.0	2	4.8	1	83.9	2
TGal	3.5	1	2.8	1	2.7	1	24.2	2	4.5	1

Codes: 1 = Within normal limits 2 = Outside normal limits

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Immunoreactive Trypsinogen

Analyte	Specimen 31881		Specimen 31882		Specimen 31883		Specimen 31884		Specimen 31885	
		Code		Code		Code		Code		Code
IRT	62.4	1	106.4	2	25.7	1	290.0	2	252.4	2

Codes: 1 = Within normal limits 2 = Outside normal limits

NSQAP REVIEWER'S COMMENTS

When your reported clinical assessment (RA) differs from our expected clinical assessment (EA), the grading algorithm is used to evaluate test performance. On the Data Entry Main Menu, Click Grading Algorithm for an explanation of how it works.
 Cystic Fibrosis specimen 31882 -- false positive
 Tyrosine specimen 31851 -- false positive
 Tyrosine specimen 31852 -- cutoff difference
 False positives are expected outcomes of the screening process.

Results have been reviewed by the Laboratory Director or his/her Designee:

Signature

Date

If you have any questions about your results, please contact the Newborn Screening Quality Assurance Program Office at 770-488-4285 or Fax 770-488-4255 or Email NSQAPDMT@cdc.gov.