

LAB UPDATE

EFFECTIVE DATE: November 9, 2020

Serum and Urine Electrophoresis Test Changes

As part of our continuing transition under Quest Diagnostics, Electrophoresis testing will no longer be performed at our Shadeland laboratory. Testing will be sent to Quest Wood Dale where testing is performed Monday thru Friday providing the same if not better turnaround time on results.

Test Name	Current Test Code	New Test Code	Test Name	Current Test Code	New Test Code
Protein, Total and Protein Electrophoresis	STPE / 747YJI	SPEP / 747RCB	Protein, Total and Protein Electrophoresis, Urine	UTPE / 750YJI	UTPET / 750RCB
Protein, Total and Protein Electrophoresis with Scan	STPES / 7892YJI	SPES / 7892RCB	Protein, Total and Protein Electrophoresis, 24hr Urine and Immunofixation	UPIF / 38944YJI	UPEIM / 38944RCB
Protein, Total and Protein Electrophoresis w/ reflex to Immunofixation	SPER / 10269YJI	SPESR / 10269RCB	Protein, Total and Protein Electrophoresis, Random Urine	UTPER / 8525YJI	UPETR / 8525RCB
Immunofixation, Serum	IFES / 549YJI	IFES / 549RCB	Protein, Total and Protein Electrophoresis, Random Urine with Scan	UPERS / 2971YJI	UPESR / 2971RCB
Protein, Total and Protein Electrophoresis w/ Immunofixation w/scan, Immunoglobulins and Kappa/Lambda Free Light Chains	SPIFT	SPEIM / 38940RQEZ	Immunofixation, Urine	IFEU / 213YJI	IFEU / 213RCB
Protein, Total and Protein Electrophoresis w/ Immunofixation w/scan and Kappa/Lambda Free Light Chains	MPEP / 51305YJI	Panel Inactivated - Order each component Separately SPES / 7892RCB, IFES / 549RCB, FKLRC / 11234RCB	Immunofixation w/ Immunoglobulin Panel	IFEIG / 37669YJI	FIGP / 37669RCB

** See attached for applicable normal range changes**

This information will also be available on the MACL website under the Lab Updates section for Providers: <https://www.maclonline.com/category/lab-updates>.

If you have any questions or need additional information, please contact:

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24hr Urine Creatinine g/24hr		
Age	New	Current
<36 mo	Not est.	
36mo-8yr	0.10-0.80	
9-12yr	0.20-1.40	0.60-2.50
13-17yr	0.40-1.90	
>17yr	0.50-2.15	
24hr Urine Protein		
	New	Current
All	<150 mg/24hr	<300 mg/24hr
Random Urine Creatinine mg/dL		
Age	New	Current
<or = 6mo	2-28	
7-11mo	2-31	
1-2 yr	2-110	
3-8 yr	2-130	
9-12 yr	2-160	
>12 yr		
Male	20-320	
Female	20-275	
Random Urine Total Protein mg/dL		
	New	Current
Male	5-25	<14.00
Female	5-24	<14.00

Protein/Creatinine Ratio		
	New	Current
All	≤ 114 mg/g creatinine	
	≤ 0.114 mg/mg creatinine	Not est.

Serum Protein Electrophoresis		
Fraction	New Normal	Current
Albumin	3.8-4.8	3.6-5.5
Alpha 1 globulin	0.2-0.3	0.1-0.3
Alpha 2 globulin	0.5-0.9	0.5-1.1
Beta 1 globulin	0.4-0.6	Beta globulin 0.7-1.3
Beta 2 globulin	0.2-0.5	n/a
Gamma globulin	0.8-1.7	0.7-1.5

Serum Total Protein			
Age	New		Current
	Male	Female	Age Male/Female
<1 mo	4.1-6.3	4.2-6.2	<1 yr 3.8-7.0
1-5 mo	4.7-6.7	4.4-6.6	1-3 5.9-7.0
6-11 mo	5.5-7.0	5.6-7.9	4-6 5.9-7.8
1-19 yr	6.3-8.2	6.3-8.2	7-9 6.2-8.1
>19 yr	6.1-8.1	6.1-8.1	10-18 6.3-8.6
			>19 6.0-8.3