



# MEMORANDUM

To: All Regional Medical Laboratory Clients

From: Gerald C. Miller, Ph.D., Chief of Immunology and Microbiology  
Patti Loykasek, HTL, QIHC (ASCP), Manager of Immunology

Date: March 26, 2018

**Subject: C1 Esterase Inhibitor Quantitative Assay**

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In an ongoing effort to provide laboratory results of the highest quality, Regional Medical Laboratory (RML) remains committed to adopting new and improved technology and test methods. RML is in the process of transitioning our current C1 esterase inhibitor quantitative assay to a FDA approved method performed on a fully automated testing platform. This new method offers advantages over our current method in the areas of improved accuracy, faster turnaround time and FDA approval.

To successfully accomplish this test transition, RML will be temporarily moving this test to ARUP Laboratories while internal studies are completed. ARUP performs C1 esterase inhibitor testing by quantitative nephelometry. It should be noted that **the normal range will change to 21-39 mg/dL**. **The specimen must be centrifuged, 1 mL of serum transferred to a transport tube, and frozen within 2 hours of collection.**

We thank you for your patience during this transition period and look forward to bringing this testing back in-house on an FDA approved method as soon as possible.

Test Mnemonic:	C1 ES QNT
Test Name:	C-1-Esterase Inhibitor, Quantitative
Test Number:	5569700
LOINC:	4477-6
CPT Code:	86160
TAT:	2-5 days

Current normal range:	31-67 mg/dL
<b>ARUP normal range:</b>	<b>21-39 mg/dL</b>

Please feel free to contact Patti Loykasek, Manager of Immunology or Dr. Gerald C. Miller, PhD, Chief of Immunology & Microbiology, at 918-744-2500 if you have any questions.