

# Labview Quarterly

FOR CLIENTS OF PARKVIEW HEALTH LABORATORIES

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## Inside This Issue

- 1 Vancomycin Trough
- 2 New Tests in House
- 3 Discontinued Testing
- 4 eAG – Estimated Average  
Glucose
- 5 Myoglobin Testing

## Vancomycin Trough Changes

Beginning 08/17/09 the Vancomycin trough reference range will be 10-20 mcg/mL and the critical result will be  $> 27$  mcg/mL. The goal trough concentration for patients with endocarditis, meningitis, osteomyelitis, or hospital-acquired pneumonia will be 15-20 mcg/mL. For pathogens with Vancomycin MIC of 1 mcg/mL, trough concentrations must be at least 15 mcg/mL to achieve adequate AUC:MIC.

## Two tests now done In-House at Parkview Health Laboratories

Parkview Health Laboratories now offers a rapid test for the detection of **Streptococcus pneumoniae in urine**. The specimen requirements are 0.5 mL urine. The specimens are acceptable at room temperature for 24 hours and up to 14 days refrigerated or frozen. The test will be performed at Parkview Hospital Laboratory.

Parkview Health Laboratories also offers a rapid test for the detection of **Legionella pneumophila serogroup 1 in urine**. The specimen requirements are 0.5 mL urine. The specimens are acceptable at room temperature for 24 hours and up to 14 days refrigerated or frozen. The test will be performed at Parkview Hospital Laboratory.

## Discontinued Test

The laboratory is no longer offering the Rapid Group B vaginal/rectal test. The test kit is no longer available. Please continue to order the Group B Strep culture.

Central Laboratory  
Parkview Hospital  
Parkview Huntington Hospital  
Parkview Whitley Hospital  
Parkview North Hospital  
Parkview Noble Hospital  
And Parkview Lagrange Hospital

## Estimated Average Glucose (eAG)



Parkview Health Laboratories has begun reporting Estimated Average Glucose (eAG) in addition to the Hemoglobin A1c result. The American Diabetes Association has recommended that laboratories report the eAG result as an adjunct to the A1c. While the A1c result represents the average glucose over time, the eAG will be reported in the same units as daily self-monitoring glucose devices and may assist the patient's ability to interpret the A1c.

For patients that may see an average glucose on their glucose meters, the eAG value may likely not match. People with diabetes are more likely to test more often when their glucose levels are low, while the eAG represents glucose levels continuously throughout the day including after meals when people are less likely to test. The eAG may help patients more directly see the difference between their individual meter readings and how they are doing with their glucose management overall.

Questions can be directed to Dr. S. Kim, Medical Director of Hematology, at 373-3655, or Lisa Daniel, Technical Services Manager, at 373-3668.

More information may be obtained at the following:

<http://professional.diabetes.org/glucosecalculator.aspx>:

Questions and Answers regarding estimated Average Glucose (eAG)

<http://www.aacc.org/publications/cln/2009/march/pages/newsbrief0309.aspx>

## Myoglobin Testing now Offered

Serum Myoglobin testing is now offered at Parkview Hospital Laboratory. This test can be used in the detection and treatment of Rhabdomyolysis, the breakdown of muscle tissue. Myoglobin is released when muscle is damaged and once in the bloodstream, breaks down into potentially harmful compounds. It may block the structures of the kidney, causing damage such as acute tubular necrosis or kidney failure. The reference range for a male is 16 – 96 ng/mL, and for a female is 9 – 82 ng/mL. Questions may be directed to Dr. Blandine Bustamante, Chemistry Medical Director, at 373-3658 or Lisa Daniel, Technical Services Manager, at 373-3668.