



TO: Beebe Healthcare Medical Staff  
FROM: Dr. Xiaoli Chen  
DATE: 12/21/20  
SUBJECT: Urine RBC Reference Range Update

**Testing Section:** Urinalysis (645-3300 Ext 5251)

The normal reference range of red blood cells in the urine will be changed to meet the guidelines established by the American Urology Association as of October 2020. The reference range will change from 0-5/HPF to **0-2/HPF**. Any result greater than or equal to 3/HPF will flag as an abnormal result.

Per the American Urology Association, the term microhematuria should be defined as seeing greater than or equal to 3 red blood cells per high powered field in a single urine specimen. Patients whose results are flagged as having 3-10 RBC/HPF in the urine should be evaluated in tandem with the microhematuria evaluation algorithm, including age, smoking status, and risk factors.

It is recommended that low risk patients should have a second urinalysis performed within 6 months. This will limit the likelihood of a delayed diagnosis for other urological disorders.

This change will go into effect 01/04/2021.

Thank you,

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