



Technical Bulletin

A Member of Cayuga Health System

Date: 06/07/2021

Effective Date: 06/14/2021

Title: Antibody Titration

Test: Antibody Titration

Explanation of change:

Antibody titration is a semiquantitative method of determining antibody concentration. The titer of an antibody is determined by testing serial twofold dilutions of the serum with select red cells. Results are expressed as the highest serum dilution that shows agglutination. Previously this was performed using tube method. Now a more sensitive method using IgG Gel technology will be used. Due to the increased sensitivity of the testing method, higher titer results may be seen.

	Old	New
<i>Perform Site</i>	Cayuga Medical Center	Cayuga Medical Center
<i>Method</i>	Tube	IgG Gel
<i>Test Code</i>	ABT	ABT
<i>Reference Range</i>	1:1 to 1:1024	1:1 to 1:1024
<i>Specimen</i>	Pink EDTA tube	Pink EDTA tube
<i>Volume Required</i>	5 ml	5 ml
<i>Turnaround time</i>	24 hours	24 hours


Date 06/17/21
Dr. Elizabeth Plocharczyk, Laboratory Medical Director


Date 6/11/21