

UnityPoint Health Pekin	Page 1 of 2	Section: Blood Bank	Policy #: UPPK BB-0619
Laboratory	Approved by:	see signature block at end of document	Date: 11/13/18
	Date Revised: 11/13/2018		
	Date /Reviewed:		
	Policy/Revision Submitted by: Jennifer Turner, MLT(ASCP)		
	CAP Standard: 40050		
POLICY GUIDELINE ON:			
Blood Bank Agglutination/Hemolysis Criteria			

I. POLICY STATEMENT:

UnityPoint Health Pekin Hospital Laboratory will use the criteria in this policy to provide uniformity of interpretation of positive and negative agglutination and hemolysis results.

II. PURPOSE:

The purpose of grading reactions is to allow comparison of reaction strengths. This is beneficial in detecting multiple antibody specificities or antibodies exhibiting dosage.

III. PROCEDURE:

- A. Gently shake or tilt the tube to resuspend the red cell button in the tube. The tilt technique uses the solution meniscus to gently dislodge the red cell button from the wall of the tube.
- B. Observe the way that cells are dispersed from the red cell button.
- C. Record reactivity by comparing the agglutinates to the descriptions in the table below. The reactivity should be assessed when the red cells have been completely resuspended from the button.

IV. INTERPRETATION:

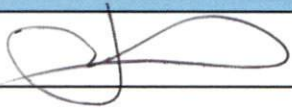
Interpretation of Agglutination Reactions

Macroscopically Observed Findings	Grade
One solid agglutinate	4+
Several large agglutinates, clear background	3+
Medium-size agglutinates, clear background	2+
Small agglutinates, turbid background	1+
Barely visible agglutination, turbid background	w+ or +/-
No agglutination	0
Mixtures of agglutinated and unagglutinated red cells (mixed field)	mf
Complete hemolysis	H
Partial hemolysis, some red cells remain	PH

V. REFERENCE:

- A. AABB Technical Manual (USB Flash Card), Bethesda, Maryland, 19th Edition, 2017, Method 1-9.

POLICY CREATION :	
Author: Jennifer Turner MLT(ASCP)	November 13, 2018
Medical Director: Kathryn Kramer, MD	November 13, 2018

MEDICAL DIRECTOR		
DATE	NAME	SIGNATURE
11-19-18	Kathryn O. Kramer MD	
SECTION MEDICAL DIRECTOR		

REVISION HISTORY (began tracking 2011)			
Rev	Description of Change	Author	Effective Date

Reviewed by:

Lead	Date	Coordinator/ Manager	Date	Medical Director	Date
Jennifer Turner	11-19-18				