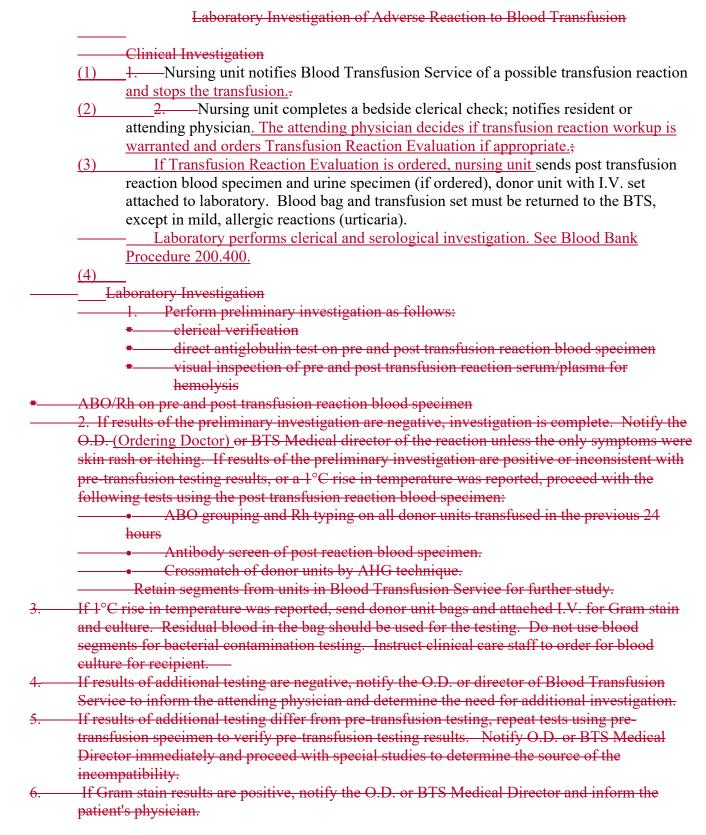
	Policy Nun Approving Responsibl Scope: Un	Olicy: Laboratory Investigation of A Reaction to Transfusion Ther: 3364-108-501 Officer: Senior Hospital Administ Director, Blood Transfusion Service e Agent: Blood Transfusion Service Supervisor Administrative Director. iversity of Toledo Medical Center Laboratory – Blood Bank	strator usion	e	Effective date: 03/01/2025 Original effective date: 10/1986			
Key words: Transfusion Reaction, Transfusion, Reaction, Adve					n, Adverse, Blood Reaction			
	□ Ne	w policy proposal		Mir	nor/technical revision of existing policy			
	<u>Ma</u>	ajor revision of existing policy		Rea	ffirmation of existing policy			
	(A) Policy Statement The Blood Transfusion Service (BTS) investigates all suspected transfusion reactions. (B) Purpose of Policy							
	To determine the need for patient care and surveillance in confirmed cases of adverse reaction to transfusion. To report adverse affects due to product quality to the collection center.							
<u>()</u>		especially when not present prior temperature), flushing, rash, itchi hypotension, shock, generalized behamoglobinuria. Recognition of and instructions for investigation Policies: Standards of Care: Bloc Transfusion Service personnel more	to trange, dy oleeding signs a and in od and ust pro	nsfus spne ng, ch and s terve Bloc oceed	an adverse reaction to blood transfusion, ion: chills and fever (1.0°C or 1.8°F rise in a, nausea and vomiting, back pain, nest pain, headache, hemoglobinemia, ymptoms of Blood Transfusion Reaction entions are explained in the UTMC Nursing of Products, section C5. –Blood according to Blood Bank Pprocedure y clinical services of a suspected transfusion			
	2.(2) A copy of the Transfusion Record Form (bottom half completed) and "Laboratory Investigation of Adverse Reaction to Blood Transfusion" form, including the interpretation of the results of the investigation will be part of the patient's clinical record.							

- 3.(3) If blood unit quality is suspected as a cause of an adverse reaction (contaminated, infected, mislabeled, etc.) the BTS Medical Director will notify the ARC Medical Director by established protocol. See ARC Adverse Effects Reporting File.
- 4.(4) Fatalities are reported to the FDA as described in policy #3364-108-106.
- If a delayed hemolytic reaction is suspected by physician (unexplained rise in bilirubin or drop in hemoglobin in a recently transfused patient) or delayed serologic reaction is detected by the Blood Transfusion Service in subsequent compatibility testing (positive antibody screen, positive direct antiglobulin test in a patient previously testing negative or new antibody present in a recently transfused patient), studies are performed to determine the cause of the delayed hemolytic or serologic reaction. Results of this investigation are part of the patient's clinical record.

5. Clinical Process

(D)



(5) The O.D. or Medical Director of Blood Transfusion Service will notify the patient's physician of results of laboratory investigation and the need for further study and treatment.

7-(a) _-Coagulation studies, BUN and creatinine should be obtained at the time of a confirmed hemolytic reaction, as well as serum methemoglobin, bilirubin and haptoglobin 5-7 hours after the reaction. Urine output should be monitored.

8.(6) Additional studies for investigation of anaphylactic reactions or reactions suggestive of TRALI (<u>Transfusion-Related acute lung injury</u>) will be determined by the BTS Medical Director.

A report of clinical and laboratory investigation of reported adverse reactions to transfusion will be written and signed by the BTS Medical Director and will become part of the patient's permanent medical record. This report is accessible in the Media Section. Adverse reactions due to quality of donor blood must be reported to the American Red Cross (ARC) by established protocol. See ARC Adverse Effects Reporting File.

(7)

(8) The O.D. or BTS Medical Director will advise BTS and patient's physician when it is acceptable to release additional unit(s) of blood for transfusion, along with any additional requirements, following evaluation of transfusion reaction workup.

(E) References EFERENCES

(1) AABB Technical Manual, Current Edition.

Approved by:	Policies Superseded by This Policy: • None			
Lauren Stanoszek, M.D.	Initial effective date: 10/1986			
Assistant Professor				
Director, Blood Transfusion Service	All Review/Revision Dates:			
	<u>6/96</u> <u>6/9/2008</u>			
	<u>1/98</u> <u>3/25/2011</u>			
	<u>2/99</u> <u>3/01/2013</u>			
<u>Date</u>	<u>11/99</u> <u>3/02/2015</u>			
	3/1/2017			

<u>3364-108-501</u> <u>Laboratory Investigation of Adverse Reaction to Transfusion</u>

Russell Smith Pharm D, MBA, BCPS, CPEL, FACHE Senior Hospital Administrator	3/02 1/05 12/07	$\frac{3/1/2019}{3/1/2021}$ $\frac{3/20/2023}{03/01/2025}$ ente: $\frac{03/01/2027}{03/01/2027}$
<u>Date</u>		
Review/Revision Completed by: Danielle Weilnau MLS(ASCP) ^{CM}		

Approved by:		Review/Revision Date:	
Lauren Stanoszek, M.D. Assistant Professor Director, Blood Transfusion Service	Date	6/96 6/9/2008 1/98 3/25/2011 2/99 3/01/2013 11/99 3/02/2015 3/02 3/1/2017 1/05 3/1/2019 12/07 3/1/2021 3/20/2023	
Christine Stesney Ridenour Chief Operating Officer - UTMC	Date		
Review/Revision Completed By: — Danielle Weilnau, MLS(ASCP) ^{CM}			
Sumono :: emilia, NIES(NSOI)		Next Review Date: 3/1/2025	
Policies Superseded by This Policy:			

Reference: Current Edition of AABB Standards for Blood Banks and Transfusion Services