

Blood Regulations Tool

PROMOTING EXCELLENCE IN TRANSFUSION MEDICINE

Nova Scotia Provincial Blood Coordinating Program

**Self-Assessment Tool
To Support Compliance**

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Version 2.0**

<http://novascotia.ca/dhw/nspbcp/>



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Table of Contents

1. Introduction	3
Requirements for All Establishments	
2. Labeling.....	4
3. Storage and Storage Equipment	6
4. Distribution	9
5. Transformation.....	12
6. Exceptional Distribution	14
7. Operating Procedures	16
8. Personnel.....	18
9. Error and Accident Investigation and Reporting	20
10. Adverse Reaction Investigation and Reporting.....	24
11. Records.....	26
Additional Requirements for Establishments Requiring Registration	
12. Registration	27
13. Transformation.....	30
14. Quality Management System	31
15. Personnel, Facilities, Equipment and Supplies	33
16. Records.....	34
Table 1: Blood Component Storage Requirements	35
Table 2: Blood Component Storage Requirements During Transport.....	35
Table 3: Records and Retention Periods – Transfusion.....	36
Table 4: Records and Retention Periods – Transformation.....	37
References.....	38

1. Introduction

The Nova Scotia Provincial Blood Coordinating Program (NSPBCP) is a provincial program of the Acute and Tertiary Care branch of the Nova Scotia Department of Health and Wellness. The NSPBCP was created in January 2003 and provides leadership in promoting excellence in transfusion medicine. The NSPBCP collaborates with health care providers in the DHAs/IWK and Canadian Blood Services (CBS) in order to support the appropriate management and safe administration of blood and blood products to patients in Nova Scotia.

Health Canada published new Blood Regulations on October 23, 2013 which provide Health Canada's final response to the Krever Commission recommendations. These Regulations regulate the processing, labeling, storage, distribution, and importation of blood and its components intended for transfusion. The Regulations apply to all establishments that handle blood; the level of oversight corresponds to the level of risk of the activity being performed by each establishment. The Regulations will come into force on October 23, 2014.

The NSPBCP developed the *Blood Regulations Self-Assessment Tool* in 2014 to aid hospital Blood Transfusion Services in achieving compliance with the new Health Canada Blood Regulations by the coming-into-force date. The tool highlights the sections of the Blood Regulations that are relevant to Nova Scotia establishments and, where applicable, cross references these sections to related clauses in the CSA-Z902 Blood and Blood Components Standards.

This tool is intended for use by all those who work in Blood Transfusion Services in Nova Scotia, as well as clinical staff who label, store, distribute, or transfuse blood. It is intended to supplement the Blood Regulations and the Guidance Document introduced by Health Canada. Revisions to the tool will be made on an "as-needed" basis, in response to feedback/requests from users and interested parties.

The Regulations are only applicable to blood components; blood products are not in the scope of the Blood Regulations

2. Labeling

Applicable Blood Regulations pertaining to labeling include:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
60-68	1. Does your facility affix labels at any time to blood components (i.e. after transformation, or changing expiry date prior to issuing)?		Yes <input type="checkbox"/> No <input type="checkbox"/> If no proceed to next section
	2. Do you have a mechanism to control the label and ensure all labels are consistent?		Yes <input type="checkbox"/> No <input type="checkbox"/>
	Indicate the SOP # which clearly identifies the steps to take when labeling a blood component.	8.6.1.2	SOP # _____
	I. Does your SOP clearly state that a label must include: donation code, name of component, aliquot code if applicable, ABO, Rh and expiry date and must be presented clearly and legibly?	8.6.1.7 8.6.1.8	Yes <input type="checkbox"/> No <input type="checkbox"/>
	II. Does your SOP indicate verification is needed to confirm the correct ABO/Rh, expiration date and blood component name if re-labeling a product or preparing aliquots?	8.6.1.2	Yes <input type="checkbox"/> No <input type="checkbox"/>
	III. Does your SOP clearly indicate that the label must be permanently affixed to the container?	8.6.12	Yes <input type="checkbox"/> No <input type="checkbox"/>
	IV. Does your SOP clearly define steps to take if changes need to be made on the primary label?	8.6.1.2	Yes <input type="checkbox"/> No <input type="checkbox"/>
	V. Does your SOP contain instructions on what type of ink should be used to ensure it will not leach through the label if making changes to the primary label?	8.6.1.2	Yes <input type="checkbox"/> No <input type="checkbox"/>
VI. Does your SOP contain information on what to do if a blood component or blood component label comes in contact with a pen or other marking device?		Yes <input type="checkbox"/> No <input type="checkbox"/>	
VII. Does your SOP state only adhesives that will NOT permeate the container must be used?		Yes <input type="checkbox"/> No <input type="checkbox"/>	

60-68	<p>3. Does your facility attach supplemental tags to blood/blood components prior to distribution (cross match tag, thawed plasma tag, supernatant reduced platelet, etc)?</p>		<p>Yes <input type="checkbox"/> No <input type="checkbox"/> If no proceed to next section</p>
	<p>Indicate the SOP # which clearly identifies the steps to take when attaching a supplemental tag.</p>		<p>SOP # _____</p>
	<p>I. Does your SOP clearly state when a supplemental tag must be used?</p>	8.6.1.8	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
	<p>II. Does your SOP clearly state that supplemental tags must be firmly attached?</p>		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
	<p>III. Does your SOP clearly indicate that supplemental tags must contain product name, expiration date and other information based on what the supplemental tag is for? (i.e. patients ABO/Rh if a crossmatch tag)</p>	8.1.1 (c)	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>IV. Does you SOP have a verification step to ensure that all information contained on a supplemental tag is accurate and complete?</p>	8.6.1.8	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>	

3. Storage and Storage Equipment

Applicable Blood Regulations pertaining to storage include:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
69-72	1. Does your facility store blood components on site? Indicate the SOP # which clearly identifies the requirements needed for the storage of blood components.		Yes <input type="checkbox"/> No <input type="checkbox"/> If no proceed to next section SOP # _____
	I. Does your SOP clearly state that blood components must be stored in accordance with the directions on its label and with any other directions that are specified in writing by the establishment that collected it (CBS)?	9.4.1	Yes <input type="checkbox"/> No <input type="checkbox"/>
	II. Does your SOP indicate storage condition requirements for all blood components held at your facility? See Table 1 for requirements.	9.4.1	Yes <input type="checkbox"/> No <input type="checkbox"/>
	III. Does your storage location(s) have temperature monitoring probes or devices in place to ensure temperatures of the components?	9.4.3	Yes <input type="checkbox"/> No <input type="checkbox"/>
	IV. Are your temperature monitoring probes or devices located at points that represent extreme temperature areas, as determined by a temperature mapping study?	9.4.3	Yes <input type="checkbox"/> No <input type="checkbox"/>
	V. Is your storage location(s) clearly labeled with the status of the blood? This must include: <ul style="list-style-type: none"> a. Untested or incompletely tested autologous units b. Non-conforming/repeat reactive or positive autologous units of blood and c. Tested autologous units of blood suitable for transfusion. 	9.4.2	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
	VI. Is your storage location(s) secure against the entry of unauthorized persons?		Yes <input type="checkbox"/> No <input type="checkbox"/>

69-72	VII.	Does your SOP clearly identify who would be considered designated personnel and would have access to areas where blood components are stored?	9.4.3	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	VIII.	Does your storage location(s) have a means by which the environmental conditions are controlled and monitored using calibrated monitoring devices?	9.4.5	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	IX.	Does your storage area(s) have an audible alarm which signals in a location that is continuously monitored or staffed so that corrective action can be taken immediately?	9.4.5	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	X.	Does your SOP state that your storage area(s) must be continuously monitored and recorded using an automated continuous monitoring system or monitored every 4 hours manually?	9.4.3	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XI.	Does your SOP explain the process in place to ensure the above?	9.4.4	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XII.	Are parameters such as lighting, humidity and ventilation controlled in your storage location(s) to the extent necessary to safeguard blood?	9.4.5 9.4.8	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XIII.	Does your SOP indicate that temperature documentation must be kept as evidence that units of blood were maintained under the appropriate environmental conditions at all times?	9.4.7	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XIV.	Does your SOP describe procedures for corrective action to be taken in the event of a deviation from established storage criteria?	9.4.7	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XV.	Do you have a designated storage area for quarantining blood components if need be?	9.4.7	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XVI.	Does your SOP clearly indicate that quarantined components must be marked appropriately and have a designated storage area?	9.4.7	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XVII.	Do you have a designated storage area for autologous, designated or directed use?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XVIII.	Does your SOP clearly indicate that blood intended for autologous, designated or directed use must be clearly labeled and segregated from blood that is intended for other allogeneic use?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XIX.	Do you have a designated storage area for blood components which are:	9.4.7 9.4.8	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		a. untested		Yes <input type="checkbox"/>	No <input type="checkbox"/>
		b. testing is incomplete or all results are not yet available and		Yes <input type="checkbox"/>	No <input type="checkbox"/>

69-72	<p>c. positive or repeat reactive for transmissible disease agents or markers?</p> <p>XX. Does your SOP clearly indicate where blood components are stored which are:</p> <p>a. untested</p> <p>b. testing incomplete or all results are not yet available and</p> <p>c. positive or repeat reactive for transmissible disease agents or markers</p>		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
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4. Distribution

Applicable Blood Regulations pertaining to distribution include:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
74-76	1. Does your facility distribute blood? Distribution is the action of releasing product outside of the control of the transfusion service.		Yes <input type="checkbox"/> No <input type="checkbox"/> If no proceed to next section
	Indicate the SOP # which clearly identifies the requirements needed for the distribution of blood components.		SOP # _____
	i. Does your SOP clearly state that before distribution the units must be examined and verified for the following: <ul style="list-style-type: none"> a. information on the label is legible; b. integrity of the container is intact; c. there are no signs of deterioration or contamination of the blood; d. frozen blood components show no signs of thawing. 	9.5.2.5	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
	ii. Does your SOP clearly state not to distribute if: <ul style="list-style-type: none"> a. the donation code is missing or illegible; b. any information-other than the donation code-that is required by the Blood Regulations (see labeling section above for requirements) to appear on the label of blood is missing or is illegible, unless missing or illegible information can be retrieved from the establishments records c. the container is defective or damaged to the extent that it does not protect the blood against external conditions d. there are signs of deterioration (hemolysis and discoloration) or contamination (clots, fibrin strands, cellular aggregates, 	9.5.2.5	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>

74-76	<p>particulate matter and discoloration) of the blood</p> <p>III. Does your SOP clearly indicate if any defect, improper labeling or abnormal appearance is observed, the component should be quarantined immediately and discarded?</p>	9.5.2.5 10.10.5	Yes <input type="checkbox"/> No <input type="checkbox"/>
	<p>IV. Does your SOP clearly indicate that returned units of allogeneic blood should be quarantined until the blood is deemed suitable for transfusion?</p>	10.10.5 20.5.2	Yes <input type="checkbox"/> No <input type="checkbox"/>
	<p>V. Does your SOP clearly state that blood components which have been returned to the blood transfusion service shall not be re-released unless:</p> <p>a. there is at least one remaining sealed segment of donor tubing attached to the blood bag</p>	10.10.5	Yes <input type="checkbox"/> No <input type="checkbox"/>
	<p>b. there is documentation with the blood component to indicate that it is being re-released and to confirm that it has been visually inspected before release</p>		Yes <input type="checkbox"/> No <input type="checkbox"/>
	<p>c. a suitable temperature monitoring system indicates that the blood component has not reached an unacceptable temperature since being released or, in the absence of a temperature monitoring system, the blood component has not been outside of a controlled environment for more than 30 minutes</p>		Yes <input type="checkbox"/> No <input type="checkbox"/>
	<p>d. the blood bag closure is undisturbed</p>		Yes <input type="checkbox"/> No <input type="checkbox"/>
	<p>VI. Does your SOP clearly state that you must examine the blood container before shipping to verify the integrity of the container and the legibility of the labels? As well the container must be capable of resisting damage and maintaining the safety of the blood</p>	9.5.2.5	Yes <input type="checkbox"/> No <input type="checkbox"/>
	<p>VII. Does your SOP clearly indicate that a tamper proof seal must be applied to the container to ensure no tampering can occur that could affect the safety of the blood during transport?</p>		Yes <input type="checkbox"/> No <input type="checkbox"/>
<p>VIII. Does your SOP clearly indicate storage requirements for blood components during storage? See table 2 for requirements</p>	9.5.2.2 9.5.2.3	Yes <input type="checkbox"/> No <input type="checkbox"/>	

74-76	IX.	Does your SOP take into account the above requirements and have validated packing schemes to adhere to the requirements?	9.5.2.4	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	X.	Does your SOP clearly indicate:	9.5.2.6	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	a.	the origin of the shipment (issuing facility)		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	b.	the destination for the shipment (receiving facility) and		Yes <input type="checkbox"/>	No <input type="checkbox"/>
		c.	a notice that it contains human blood components must be clearly labeled on the container?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XI.	Does your SOP indicate a release voucher with the following information:	9.5.2.7	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	a.	the name of the site receiving blood components		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	b.	the unique serial number of the voucher		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	c.	a description of the type of blood and blood components being shipped, including notice if quarantined products have been included		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	d.	the donation numbers of the blood components		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	e.	the total number of items		Yes <input type="checkbox"/>	No <input type="checkbox"/>
f.	the date and time of shipping and	Yes <input type="checkbox"/>		No <input type="checkbox"/>	
	g.	the signature(s) of the designated person(s) responsible for the packing	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

5. Transformation

Applicable Blood Regulations pertaining to transformation include:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
77-79	1. Does your facility transform blood? (Pool Cryoprecipitate)		Yes <input type="checkbox"/> No <input type="checkbox"/> If no proceed to next section
	Indicate the SOP # which clearly identifies the requirements needed for the transformation of blood components.		SOP # _____
	I. Does your SOP clearly indicate that cryoprecipitate should be visually inspected to determine the units are acceptable for transfusion prior to use?		Yes <input type="checkbox"/> No <input type="checkbox"/>
	II. Does your SOP clearly state that pooling must occur in an environment that is specifically set up for this purpose?		Yes <input type="checkbox"/> No <input type="checkbox"/>
	III. Does your SOP indicate that pooling cryoprecipitate using an open system will change the expiry to whichever comes first; 4 hours from start of pooling process or the expiration date of the oldest unit and storage must occur between 20 ⁰ C and 24 ⁰ C?	10.8.3	Yes <input type="checkbox"/> No <input type="checkbox"/>
	IV. Does your SOP indicate that only units of the same ABO blood group shall be pooled?	10.8.1	Yes <input type="checkbox"/> No <input type="checkbox"/>
V. Does your SOP for pooling cryoprecipitate include what the label for the pooled component shall include:	10.8.2		
a. the name of the blood component?		Yes <input type="checkbox"/> No <input type="checkbox"/>	
b. the number of units contained in the component?		Yes <input type="checkbox"/> No <input type="checkbox"/>	
c. the name of the facility preparing the component?		Yes <input type="checkbox"/> No <input type="checkbox"/>	
d. the unique numeric or alphanumeric identification of the component?		Yes <input type="checkbox"/> No <input type="checkbox"/>	
e. the approximate volume of the blood component?		Yes <input type="checkbox"/> No <input type="checkbox"/>	

77-79	f. the ABO/Rh groups of the blood components in the pool, or the final ABO and Rh group of the pooled component?		Yes <input type="checkbox"/> No <input type="checkbox"/>
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6. Exceptional Distribution

Applicable Blood Regulations pertaining to exceptional distribution include:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
81-85	<p>1. An establishment may distribute or transfuse allogeneic blood for transfusion for which the test results for ABO group, Rh factor and transmissible diseases or disease agents are not yet available if both of the below conditions are met:</p> <ul style="list-style-type: none"> a. blood that has been determined safe for distribution is not immediately available; and b. the recipient's physician requests the blood for use in the emergency treatment of their patient 	<p>8.4.7 9.3 10.9.3.5</p>	
	<p>Indicate the SOP # which clearly identifies your process for exceptional distribution.</p> <p>I. Does your SOP clearly indicate that the above two conditions need to be met before issuing?</p> <p>II. Does your SOP clearly state that a notice of exceptional distribution must be received when receiving the blood from CBS and contain the following:</p> <ul style="list-style-type: none"> a. the name of the establishment and the signature of the medical director b. the donation code c. a statement of whether the blood was whole blood or a blood component, and if it was a component, its name d. a list of the results that were not available at the time of the distribution e. the name and signature of the recipients physician f. the justification for the distribution 	<p>8.4.7</p>	<p>SOP # _____</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>

81-85	<p>g. the name of the establishment to which it is distributed; and</p> <p>h. the date and time of the distribution</p> <p>III. Does your SOP indicate that the notice of exceptional distribution must be kept in the recipients file?</p> <p>IV. Does your SOP indicate that subsequent test results must be forwarded to your facility from CBS which are then forwarded to the patients file?</p> <p>V. Does your SOP clearly indicate that if the blood is not used it is to be quarantined until all testing is complete or discarded?</p>	8.4.7	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
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7. Operating Procedures

Applicable Blood Regulations pertaining to operating procedures include:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
95-97	1. Does your facility have operating procedures for ALL activities the establishment conducts with respect to human safety and the safety of blood?		Yes <input type="checkbox"/> No <input type="checkbox"/>
	2. Do your operating procedures meet the following requirements:		
	I. Are they in a standardized format which should include:	4.2.2.3	
	a. the title and purpose of the procedure		Yes <input type="checkbox"/> No <input type="checkbox"/>
	b. the unique number or code identifying the document and indicating the version		Yes <input type="checkbox"/> No <input type="checkbox"/>
	c. the date of implementation and last revision date		Yes <input type="checkbox"/> No <input type="checkbox"/>
	d. the signature of the authorizing person and the date of authorization		Yes <input type="checkbox"/> No <input type="checkbox"/>
	e. appropriate page numbers		Yes <input type="checkbox"/> No <input type="checkbox"/>
	f. clear instructions to be followed that correspond to the tasks required to perform the activity		Yes <input type="checkbox"/> No <input type="checkbox"/>
	g. the responsible department for performing the operating procedure		Yes <input type="checkbox"/> No <input type="checkbox"/>
h. references to publications cited, if applicable		Yes <input type="checkbox"/> No <input type="checkbox"/>	
II. Are they approved by a senior executive officer?	4.2.1.2	Yes <input type="checkbox"/> No <input type="checkbox"/>	
III. Are they readily accessible at all locations where the relevant activities are conducted?	4.2.2.4	Yes <input type="checkbox"/> No <input type="checkbox"/>	
IV. Are they up-to-date (reviewed at a minimum every 2 years)?	4.2.2.4	Yes <input type="checkbox"/> No <input type="checkbox"/>	
V. Are previous versions of the SOPs removed and archived to ensure they are not in use?	4.2.3.4	Yes <input type="checkbox"/> No <input type="checkbox"/>	
VI. Do you have an SOP which clearly	4.2.1.5	Yes <input type="checkbox"/> No <input type="checkbox"/>	

95-97	<p>indicates the procedure for deviating from a current operating procedure if permitted by a senior executive officer or designate in an urgent situation?</p> <p>VII. Do you have documented evidence that demonstrates your operating procedures for processing and transforming blood consistently lead to expected results? (validation)</p>	4.2.1.6	Yes <input type="checkbox"/> No <input type="checkbox"/>
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8. Personnel

Applicable Blood Regulations pertaining to personnel include:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
98-101	1. Does your facility have sufficient personnel, who are qualified by their education, training or experience to perform their respective tasks, to conduct the establishment's activities? (The number of personnel shall be based on size and complexity of the facility and number of units of blood components it normally handles)	4.3.1.4	Yes <input type="checkbox"/> No <input type="checkbox"/>
		4.3.1.5	
	2. Does your facility have an SOP which describes your organizational structure, staffing requirement and qualifications of all personnel?	4.3.1.1	Yes <input type="checkbox"/> No <input type="checkbox"/> SOP # _____
	I. Does your SOP include clearly defined lines of authority and specify individual responsibilities and qualifications required?	4.3.1.6	Yes <input type="checkbox"/> No <input type="checkbox"/>
	II. Does your SOP clearly indicate that records of the qualifications, training and continuing competency of all personnel must be maintained?	4.3.2.1	Yes <input type="checkbox"/> No <input type="checkbox"/>
	III. Does your SOP state that training must be documented and include:	4.3.2.1	Yes <input type="checkbox"/> No <input type="checkbox"/>
	a. the date on which training was conducted		Yes <input type="checkbox"/> No <input type="checkbox"/>
	b. signature of employee		Yes <input type="checkbox"/> No <input type="checkbox"/>
	3. Does your facility have a program for the orientation and training, both initial and ongoing for the evaluation of staff competencies?	4.3.2.1	Yes <input type="checkbox"/> No <input type="checkbox"/>
	4. Does your facility have a formal competency/evaluation program to assess the effectiveness of the training provided?	4.3.2.3	Yes <input type="checkbox"/> No <input type="checkbox"/>
I. Does the program include the assessment of the effectiveness of continuous training and on-going competency evaluation		Yes <input type="checkbox"/> No <input type="checkbox"/>	

98-101	<p>program for all personnel conducting activities? This may include:</p> <ul style="list-style-type: none"> a. direct observation of performance b. monitoring of recording and reporting c. written tests d. assessment of knowledge of operating procedures and theory e. assessment of performance through proficiency tests. 		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
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9. Error and Accident Investigation and Reporting

Applicable Blood Regulations pertaining to Errors/Accidents include:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
103-108	<p>The <i>Blood</i> Regulations define accident as an unexpected event that is not attributable to a deviation from the operating procedures or applicable laws and that could compromise human safety or the safety of blood. An error is defined as a deviation from the operating procedures or applicable laws that could compromise human safety or the safety of the blood.</p> <p>1. Indicate the SOP # which clearly indicates the steps to take when an accident or error occurs.</p> <p>I. Does your SOP indicate how important it is to communicate between establishments when an accident or error occurs to ensure all establishments which may be affected are aware?</p> <p style="padding-left: 40px;">* All establishments which were sent potentially affected unit(s) must be contacted. If these establishments further redistributed, they are responsible for contacting the establishment(s) which they sent the unit(s) to. The discovering establishment must also notify the establishment from which the unit(s) was received. This chain of communication must repeat until all establishments receiving potentially affected unit(s) have been notified. *</p> <p>II. Does your SOP state that you MUST, on request provide any establishment that is conducting an investigation in regards to a transfusion reaction or an error/accident which</p> <p style="padding-left: 40px;">a. Occurred during a regulated activity;</p> <p style="padding-left: 40px;">b. Was identified after the blood was distributed or transfused; and</p> <p style="padding-left: 40px;">c. Have reasonable probability that it could lead to a serious adverse reaction</p> <p>with any relevant information in your possession in a timely matter?</p> <p>III. Does your SOP indicate that all verbal communications must be documented and written notices must be sent as soon as possible?</p>	4.6.2.1 to 4.6.2.5	<p>SOP # _____</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>

103-108	<p>IV. Does your SOP indicate that all affected products must be quarantined until a decision is made which deems the units to be safe for transfusion or that units should be discarded?</p>		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
	<p>V. Does your SOP indicate where distribution records can be found to ensure if distributed from one establishment to another, affected units can be easily located and notification sent?</p>		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
	<p>VI. Does your SOP clearly state the following actions must immediately be taken if a facility has reasonable grounds to believe that the safety of the blood may have been compromised by an error or accident during an activity conducted by another facility:</p> <ul style="list-style-type: none"> a. determine donation codes of the implicated units. b. identify and quarantine any implicated blood in its possession c. Notify: <ul style="list-style-type: none"> i. the establishment that collected the implicated units ii. the establishment from which it received the implicated units, if different from (i). iii. any establishment to which it distributed implicated units. d. The notice must include: <ul style="list-style-type: none"> i. donation codes of implicated blood ii. name of implicated units iii. reason for the establishments' belief that the safety of the blood may have been compromised. 		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
	<ul style="list-style-type: none"> iii. any establishment to which it distributed implicated units. d. The notice must include: <ul style="list-style-type: none"> i. donation codes of implicated blood ii. name of implicated units iii. reason for the establishments' belief that the safety of the blood may have been compromised. 		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
	<p>VII. Does your SOP clearly state the following actions must immediately be taken if a facility has reasonable grounds to believe that the safety of the blood may have been compromised by an error or accident during an activity it conducted or receives notice that another facility has reason to believe an error or accident occurred at your facility:</p> <ul style="list-style-type: none"> a. Determine donation codes of the implicated units. b. Identify and quarantine any implicated blood in its possession c. Determine whether there is sufficient evidence to warrant proceeding to an investigation in the suspected error or accident <ul style="list-style-type: none"> i. if facility determines an investigation is not warranted it 		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>

103-108		must notify facilities that it will not be conducting an investigation and provide reasons for decision.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		ii. if facility determines that an investigation is warranted, it must begin the investigation, notify every establishment and other person to whom it distributed implicated units and include donation codes and a description of the suspected error or accident as well as an explanation of how the safety of the implicated unit may have been compromised and to quarantine these units.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	VIII.	Does your SOP clearly indicate that all implicated establishments must be notified of the results of investigation if warranted as well as disposition of units?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	IX.	Does your SOP clearly state that if you receive a notification for a unit of blood which was sent to you establishment and you in turn distributed this unit to another establishment, it is your responsibility to follow up with the facility you distributed to?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	X.	Does you SOP state that all establishments are required to keep record of investigations and reports of all errors and accidents whether they are serious or not. These must include corrective and/or preventive actions taken.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XI.	Does your SOP clearly state the establishment conducting the investigation into a suspected error or accident that is	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		a. thought to have occurred during an activity that was conducted by them and		
		b. that is identified after the blood is distributed or transfused and		
		c. there is a reasonable probability that the error or accident could lead to a serious adverse reaction must file reports with Health Canada's Inspectorate Regional Program. Atlantic Region Inspectorate Program 1625-1505 Barrington Street. Halifax NS B3J 3Y6	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		(this may initially be verbal but must be followed up with a written report)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		Tel: (902) 426-5350 Fax: (902) 426-6676	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XII.	Does your SOP state that the above reports must include:	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	a. A preliminary report that includes all	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

	<p>relevant information that is available, within 24 hours of the start of the investigation</p> <p>b. A written update on any new information about the suspected error or accident, on the progress made in the investigation since the last report and on steps taken to mitigate further risks:</p> <ol style="list-style-type: none"> i. within 15 days after the start of the investigation, and ii. on request of the Minister at any time after the preliminary report. <p>c. On completion of an investigation, the establishment must file a final report with the minister that contain all of the following:</p> <ol style="list-style-type: none"> i. the results of the investigation ii. the final disposition of the units that was the subject of the investigation and the reasons for the disposition iii. any corrective actions taken and other changes that are recommended to be made to relevant processes 		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
	<p>XIII. Does your SOP state that an annual report must be prepared which summarizes all of the final reports that you filed in the year (includes all error/accidents not just those which were reportable to Health Canada), including a concise critical analysis of the investigations that were subject to those reports.</p>		
	<p>XIV. Do you have a mechanism in place which would allow you to pull the above report at anytime if requested?</p>		

10. Adverse Reaction Investigation and Reporting

Applicable Blood Regulations pertaining to Adverse Reactions include:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
109-116	<p>Indicate SOP #(s) which contains all information on Adverse reaction investigation and reporting</p> <ol style="list-style-type: none"> 1. Does your SOP clearly state all actions which must be promptly taken if you have reasonable grounds to believe that a recipient has experienced an unexpected adverse reaction or a serious adverse reaction? These must include <ol style="list-style-type: none"> i. Determine the donation codes of all implicated blood ii. Identify and quarantine any implicated blood in your possession iii. If preliminary inquiry indicates that the root cause of the adverse reaction is attributable to an activity that is carried out, conduct an investigation into the adverse reaction and notify any establishment to which it distributed implicated blood; and iv. If preliminary inquiry indicates that the root cause of the adverse reaction is attributable to an activity carried out by another establishment, notify all of the following establishments: <ol style="list-style-type: none"> a. the establishment that collected the implicated blood b. the establishment from which it received the implicated blood, if different from above, and c. any establishment to which it distributed implicated blood v. When notifying the above does your SOP indicate that the notification must contain all of the following information: <ol style="list-style-type: none"> a. a description of the adverse reaction b. an explanation of how the safety of the implicated blood may have been compromised, if known c. the donation codes of all implicated blood d. the names of the implicated blood components, and 	18 to 19 inclusive	<p>SOP # _____</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>

109-116	<p>e. the name of any suspected transmissible disease or disease agent, if known.</p> <p>vi. Does your SOP clearly state that if you receive a notification for a unit of blood which was sent to you establishment and you in turn distributed this unit to another establishment, it is your responsibility to follow up with the facility you distributed to?</p> <p>vii. Does your SOP state that when reporting an adverse reaction it must contain all information as (e) as well as:</p> <ul style="list-style-type: none"> a. recipients date of birth and sex b. hospital identification c. diagnosis, medical history d. blood group, antibody screen e. date, time, and place of transfusion f. component transfused, donation code(s), blood group, collection date/pooling date, infusion start/stop time g. description of reaction, investigation, vital signs, treatment, culture of the recipients blood and of the component transfused h. assessment by transfusing establishment physician i. establishment physician j. outcome, and k. further information <p>viii. Does your SOP state that if conducting an investigation CBS must be notified with 24 hours of learning of a death or within 15 days after it learns of any other adverse reaction?</p> <p>ix. Does your SOP state that all serious or unexpected reactions due to</p> <ul style="list-style-type: none"> a. The product quality, or b. A Canadian Blood Services (CBS) activity, or c. An Error or accident of a regulated activity performed at the hospital site <p>Must be reported the Canada Vigilance Program of the Marketed Health products Directorate (this may initially be verbal but must be followed up with a written report) Tel: (613) 957-0337 or Fax: (613) 957-0335</p>		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
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11. Records

Applicable Blood Regulations pertaining to Records:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
117-118	1. Do you have an SOP for records and record retention which makes it possible to trace blood and blood components from their source to final disposition? <ul style="list-style-type: none"> I. Does your SOP indicate that records must be accurate, complete, legible, indelible and readily retrievable? II. Is the donation code a component of all the records related to distribution, transformation and transfusion of blood? III. Does your SOP state that records must be stored in a location that has appropriate environment conditions (a temperature appropriate to safeguard the integrity of the records as well as humidity) and is secure against the entry of unauthorized persons. IV. Does your SOP include the necessary Record Retention Periods? (see table 3) 	20.1.1-20.7.2	SOP # _____ Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>

In addition to the previous sections, Blood Transfusion Services undergoing Registration need to confirm the following:

12. Registration

Applicable Blood Regulations pertaining to Registration:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
30-37	<p>An establishment that process autologous blood, which transforms blood or that, has a pre-assessed donor program must be registered under the Health Canada Blood Regulations. In order to do so:</p> <p>An establishment must file with the Minister an application for registration in the form established by the Minister. The form can be found at</p> <p style="text-align: center;">http://www.hc-sc.gc.ca/dhp-mps/compl-conform/licences/index-eng.php</p> <p>The form must contain all of the following:</p> <ol style="list-style-type: none"> I. The applicants name and civic address, and its postal address if different II. In the case of an establishment that previously conducted its activities under these regulations under another name, that other name III. The name and telephone number, fax number, email address or other means of communication of a person to contact for further information concerning the application IV. The name and telephone number of a person to contact in an emergency, if different from the person above V. A list of the processing activities that establishment proposes to conduct in respect of autologous blood and a list of the whole blood and blood components that it proposes to process VI. A list of transformation activities that the establishment proposes to conduct and list of all the whole blood and blood components that it proposes to transform VII. A statement of whether the establishment has a pre-assess donor program VIII. The civic address of every building in which it proposes to conduct its activities and a list of the activities that are proposed to be conducted in each 		

<p>30-37</p> <p>30-37</p>	<p>building</p> <p>IX. The name and civic address of any other establishment that it proposes to have conduct any of its activities</p> <p>X. A statement, dated and signed by a senior executive officer, that certifies both of the following:</p> <ul style="list-style-type: none"> a. The establishment has sufficient evidence to demonstrate that it is in compliance with these regulations, and b. That all of the information in the application is accurate and complete <p>Did you file with the Minister?</p> <p>You must provide the Minister, on written request, any information that the Minister determines is necessary to complete the Minister’s review of the application, by the date specified in the request.</p> <p>On completion of reviewing the application for registration, if the Minister determines that the information provided in the application is complete, the Minister must register the establishment and issue a registration number.</p> <p>The Minister may refuse to register an establishment if he/she determines that the information provided by the establishment in its application is incomplete or if he or she has reasonable grounds to believe that issuance of the registration could compromise human safety or the safety of blood.</p> <p>You must notify the minister in writing of any change to the information provided in your application within 30 days after the day on which the change is made The Minister may amend an establishment’s registration to remove it from any activity if she/he has reasonable grounds to believe that it is necessary to do so to prevent a compromise to human safety or the safety of blood.</p> <p>You must provide the Minister with a statement dated and signed by a senior executive officer that certifies the establishment has sufficient evidence to demonstrate that it is in compliance with these Regulations by April 1 each year.</p> <p>The Minister may cancel a registration in any of the following circumstances:</p> <ul style="list-style-type: none"> I. The minister receives notice that the establishment has ceased all of its activities that are the subject of registration II. The information provided by the establishment proves to be false or misleading III. The establishment has not complied with a request for 		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
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	<p>additional information</p> <p>IV. The establishment fails to take corrective action within the required period</p> <p>V. The minister has reasonable grounds to believe that the establishment is not in compliance with these Regulations or that human safety of blood could be compromised</p>		
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13. Transformation

Applicable Blood Regulations pertaining to Transformation:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
77-79	1. Do you have an SOP for the transformation of blood?		SOP # _____ Yes <input type="checkbox"/> No <input type="checkbox"/>
	I. Does your SOP clearly state that you must transform blood using safe and effective methods?		Yes <input type="checkbox"/> No <input type="checkbox"/>
	II. Do you have an environment that is specifically set up for the pooling process?		Yes <input type="checkbox"/> No <input type="checkbox"/>
	III. Is it clearly indicated in your SOP where transformation should be performed?		Yes <input type="checkbox"/> No <input type="checkbox"/>
	IV. Does your SOP clearly state that only units of the same ABO blood group shall be pooled?		Yes <input type="checkbox"/> No <input type="checkbox"/>
	V. Does your SOP state that the label for a pooled component must include: a. the name of the components b. the number of units contained in the component c. the name of the facility preparing the blood component d. the unique numeric or alphanumeric identification of the blood component e. the approximate volume f. the ABO and Rh groups of blood components in the pool, or the final ABO and Rh group of the pooled component		Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
	VI. Does your SOP state that the expiration date cannot exceed the expiration date of the oldest component in the pool		Yes <input type="checkbox"/> No <input type="checkbox"/>

14. Quality Management System

Applicable Blood Regulations pertaining to Quality Management Systems:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
93-94	1. Do you have an organizational structure that sets out the responsibility of management for all activities that the establishment conducts?	4.6.1.5	Yes <input type="checkbox"/> No <input type="checkbox"/> SOP # _____
	2. Do you have an effective quality management system?	4.6.1.4	Yes <input type="checkbox"/> No <input type="checkbox"/>
	What is the name of the individual who has responsibility for it?	4.6.1.1	_____
	Does your Quality Management system encompass the following:	4.6.1	Yes <input type="checkbox"/> No <input type="checkbox"/>
	I. Defined, documented, implemented and maintained		Yes <input type="checkbox"/> No <input type="checkbox"/>
	II. Include elements that enable the prevention, detection and correction of deficiencies that may compromise the safety of blood		Yes <input type="checkbox"/> No <input type="checkbox"/>
	III. An organizational structure that defines and documents the personnel responsible for all activities under these regulations		Yes <input type="checkbox"/> No <input type="checkbox"/>
	IV. Ensure that written policies, processes and procedures that cover the regulated activities are available and communicated to all relevant personnel		Yes <input type="checkbox"/> No <input type="checkbox"/>
	3. Do you review all elements of the quality management system at specified intervals to ensure its continuing suitability and effectiveness?	4.6.1.4	Yes <input type="checkbox"/> No <input type="checkbox"/>
	4. Are the above results assessed and any deficiencies or areas requiring improvement addressed and corrected?		Yes <input type="checkbox"/> No <input type="checkbox"/>
5. Do you have a plan that includes goals, objectives and action plans developed and utilized? Your quality management system must		Yes <input type="checkbox"/> No <input type="checkbox"/>	

93-94	include the following:			
	I. a quality assurance unit		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	II. a quality control program		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	III. a change control system		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	IV. a process control program		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	V. a system for process improvement through complaint monitoring and the implementation of corrective and preventive actions		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	VI. a system for the identification and investigation of post-donation information, errors, accidents and adverse reactions, including the implementation of corrective action and the conduct of recalls		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	VII. a program for the training and competency evaluation of personnel		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	VIII. a proficiency testing program for the evaluation of the accuracy and reliability of test results		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	IX. a document control and records management system		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	X. an internal audit system		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XI. emergency contingency plans		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XII. a system that uniquely identifies all critical equipment and supplies		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XIII. Written specification for all critical equipment, supplies and services		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	XIV. a program for the preventative maintenance of critical equipment			
XV. a program for process validation		Yes <input type="checkbox"/>	No <input type="checkbox"/>	
** Each of the above is defined in the Guidance Document of the Blood Regulations pgs 130-137**				

15. Personnel, Facilities, Equipment and Supplies

Applicable Blood Regulations pertaining to personnel, facilities, equipment and supplies:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
99-100, 102	1. Does your facility permit all of the following: I. The conduct of all your activities II. The performance by personnel of the respective tasks using proper hygiene III. The cleaning of the facilities in a way that maintains sanitary conditions IV. Environmental controls that are appropriate to all areas where its activities are conducted V. Controlled access to all areas where its activities are conducted	22.1.1	SOP # _____ Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
	2. Do you have a procedure which ensures that the critical equipment you use is cleaned and maintained and validated for its intended purposes and calibrated?	23.1.1-23.5.2	Yes <input type="checkbox"/> No <input type="checkbox"/>
	3. Do you have an SOP which states that whenever necessary after a repair or any critical change to equipment, it must be revalidates and recalibrated as appropriate?	23.4.2-23.5.2	Yes <input type="checkbox"/> No <input type="checkbox"/>
	4. Does your SOP state that the critical supplies that it uses must be validated or qualified, as applicable, for their intended use and must store them under appropriate environmental conditions?		Yes <input type="checkbox"/> No <input type="checkbox"/>

16. Records

Applicable Blood Regulations pertaining to Records:

Blood Regulation Section	Requirements	CSA Cross-Reference	Assessment
121	<p>1. Does your SOP clearly state the retention periods for the transformation procedures? (see Table 4)</p> <p>The retention period begins on the day on which the record is created, except for the personnel records set out in item 10 of the table, in which case the period begins on the last day on which the employee was employed by the establishment.</p>	<p>20.3.2 20.4</p>	<p>SOP # _____ Yes <input type="checkbox"/> No <input type="checkbox"/></p>

Table 1: Blood Component Storage Requirements

Component	Storage Requirement
Red Blood Cells	1 ⁰ C to 6 ⁰ C
Platelets (Apheresis and Pooled)	20 ⁰ C to 24 ⁰ C
Plasma (Frozen Plasma and Apheresis)	≤-18 ⁰ C
Cryoprecipitate	≤-18 ⁰ C
Cryosupernatant Plasma	≤-18 ⁰ C

Table 2: Blood Component Storage Requirements During Transport

Component	Storage Requirement
Red Blood Cells	1 ⁰ C to 6 ⁰ C or 1 ⁰ C to 10 ⁰ C if under 24 hours
Platelets (Apheresis and Pooled)	20 ⁰ C to 24 ⁰ C
Plasma (Frozen Plasma and Apheresis)	Keep Frozen
Cryoprecipitate	Keep Frozen
Cryosupernatant Plasma	Keep Frozen

Table 3: Records and Retention Periods – Transfusion

Records	Retention Period
Donation code - allogeneic blood	50 years
Donation code - autologous blood	10 years
Shipping documents	1 year
Blood storage temperature monitoring	5 years
Distribution	50 years
Exceptional distribution	50 years
Record of transfusion or disposition of allogeneic blood, including identification of recipient	50 years
Record of transfusion or disposition of autologous blood	10 years
Complaints and their investigation	5 years
Every version of the operating procedures that was implemented	10 years
Personnel qualifications, training and competency evaluation	10 years
Investigations and reports of errors and accidents	10 years
Investigations and reports of adverse reactions	10 years

Table 4: Records and Retention Periods – Transformation

Records	Retention Period
Donation Code	10 years
Records of pooling	10 years
Lot number and name of manufacture of critical supplies for each transformation	1 year
Complaints and their investigation	5 years
Internal Audit reports	5 years
Quality control testing	5 years
Maintenance, validation, qualification and calibration of critical equipment	3 years
Critical supplies, including their qualification	3 years
Every version of the operating procedure that was implemented	10 years
Personnel qualification, training and competency evaluation	10 years
Investigations and reports of errors and accidents	10 years
Investigations and reports of adverse reaction	10 years

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