

DATE:	26 June 2023
TO:	Connect Care (CC) Launch 6 and 7 Sites : Physicians, Nurses and HealthCare Providers
FROM:	APL Transfusion & Transplantation Medicine
RE:	Blood Group Reporting for Stem Cell Transplant Patients

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Message

- For CC Launch 6 and 7 sites, the blood groups for patients who have received Stem Cell Transplants (SCT) will be reported differently in Epic and Netcare than in legacy systems . Changes are outlined below.

Background

- Previously a TRANS REQR order would be entered by Cellular Therapy Lab staff indicating details of the patients pre and post transplant blood group as well as recommend blood group compatibility for future transfusion of blood components. With the implementation of Connect Care this is no longer required.

How this will impact you

- Refer to the chart below for Interpretating SCT blood groups:
- Patients who have had an SCT are identified in Connect Care by a blood group that starts with “SCT”. The SCT ABO group is interpreted as follows:
 - Patient who has had a single stem cell transplant: SCT + Patient’s original ABO group + Donor ABO group
 - Patient who has had multiple stem cell transplants: SCT + Patient’s original ABO group + Most recent donor ABO group **OR** the patient will be assigned the most appropriate blood group to provide the most compatible blood components.
- The Rh displayed for the patient will be Neg if **either** the donor or recipient is Rh negative. Rh will display as Pos if **both** the donor and recipient are Rh positive.

	WellSky Transfusion Tag	Patient (Original) ABO Group	SCT Donor ABO Group
ABO Identical SCT	SCTOO	O	O
	SCTAA	A	A
	SCTBB	B	B
	STABAB	AB	AB
ABO Non-Identical SCT	SCTOA	O	A
	SCTOB	O	B
	SCTOAB	O	AB
	SCTAO	A	O
	SCTAB	A	B
	SCTAAB	A	AB
	SCTBO	B	O
	SCTBA	B	A
	SCTBAB	B	AB
	SCTABO	AB	O
	SCTABA	AB	A
	SCTABB	AB	B



*Note: Colors on table will not display in Connect Care

If assistance is required with transfusion decisions, please contact Alberta Precision Laboratories, Transfusion Medicine.

Action Required

- Refer to [wf-lab-clin-tm-sct-cc-blood-groups.pdf \(albertahealthservices.ca\)](http://wf-lab-clin-tm-sct-cc-blood-groups.pdf) for more detail and to review compatible blood components for SCT blood groups.

Effective Immediately

Questions/Concerns

- Alberta Transfusion Safety Team transfusion.safetyteam@aplabs.ca

Approved by

- Dr. Susan Nahirniak, Medical Director, APL Provincial Transfusion and Transplantation Medicine Program, susan.nahirniak@aplabs.ca