

Twenty-second Ask OBI Anything (AOA)

József Bordás, MD & Emily Flippo, MLS (ASCP)

April 15, 2026

Objectives

- Welcome
- Transfusion Section Website
- Response to Questions – How long can products remain in the OBI transport container?
- Education – Group A Plasma for Emergency Transfusion
- Blood Drives/System Inventory Status

Website

- <httpsourbloodinstitute.org/hospital/>

Ask OBI Anything – Response to Questions

How long can products remain in the OBI transport container?

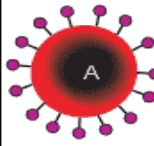
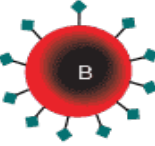
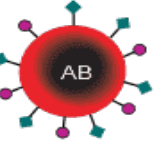
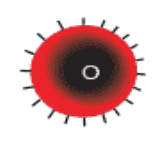
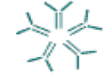

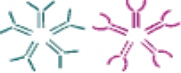



- Red Blood Cells & Liquid Plasma: container is validated to maintain a temperature of 1-10°C for **>9 hours**
- Platelets & Thawed Cryoprecipitate: container is validated to maintain a temperature of 20-24°C for **>9 hours without agitation**
 - Thawed cryoprecipitate has a processed expiration of 4 hour.
- All products should remain in the transport container until they are ready to be transfused and remain properly packed to ensure product safety.
- OBI requests that unused units be returned within 9 hours of issue to ensure safety of the components and for billing credit.

*Note: Liquid plasma products and thawed cryoprecipitate cannot be returned for credit.

Please see OBI-CL-POL-0002 Component Transport Requirements for Transfusion Service Clients for additional information.

Education- Group A Plasma for Emergency Transfusion

- For plasma transfusion, the focus is on the antithetical antibody – “reverse type” of ABO
- In trauma, many emergency departments give group A plasma – for which blood groups might there be a compatibility issue?
 - Anti-B antibodies in group A plasma would target B antigen on the RBCs of group B and AB individuals
- Despite this, why is group A plasma used?

	Group A	Group B	Group AB	Group O
Red blood cell type				
Antibodies in Plasma	 Anti-B	 Anti-A	None	 Anti-A and Anti-B
Antigens in Red Blood Cell	 A antigen	 B antigen	 A and B antigens	None

[ABO blood group system - Wikipedia](#)

Education- Group A Plasma for Emergency Transfusion

- Frequency of blood types (based on primarily Caucasian donor pool)
 - O: 45%
 - A: 40%
 - B: 11%
 - AB: 4%
 - Increases usable plasma source from 4% to 44%
 - 85% chance of compatibility if transfused to a patient with unknown blood type
- Titer of anti-B in group A plasma is usually low
- 80% of group B and AB individuals have free-floating B antigen in their plasma
- Transfusion of type O RBCs dilutes out potential targets for anti-B antibody
- Studies have shown that group B and AB adult trauma patients transfused with group A plasma do not have worse outcomes compared to group A or O recipients, and no acute transfusion reactions were reported

Blood Drive/Blood Need

- Past Drives
 - Rural Wellness Stroud – 5 donors!
- Upcoming Drives
 - Haskell Regional Hospital – April 15th
 - Mercy Rehab Oklahoma City – April 15th
 - Mangum Regional Hospital & Community – April 28th

O NEGATIVE DONORS NEEDED!





Thank you

The End