

Twenty-fifth Ask OBI Anything (AOA)

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Objectives

- Welcome
- Transfusion Section Website
- Response to Questions – What are the expected turn-around times?
- Education – Bombay Phenotype
- Blood Drives/System Inventory Status

Website

- <https://ourbloodinstitute.org/hospital/>

Ask OBI Anything – Response to Questions

What are the expected turn-around times?

- Our turn-around times are **from specimen receipt** in the reference lab to the time your facility receives **results** for routine testing
 - ABO discrepancies or unexpected antibodies will cause delays
- These **do not include drive time** to pick up specimens or deliver units
 - We have facilities less than 2 miles away to some greater than 180 miles away, so we only have control over lab times

STAT: 2 hours

ASAP: 4 hours

Routine: Within 2 days or sooner if required

Education- H System

- H antigen is the precursor to both A and B antigen
 - Can be detected with *Ulex europaeus* lectin
 - Requires FUT1 (H gene) or FUT2 (secretor gene)
- Bombay phenotype
 - Rare autosomal recessive condition caused by non-functional FUT1 and FUT2
 - Absence of H, A, and B antigens on RBCs and in secretions
 - Person will type as Group O but has anti-H

Education- H System

- Para-Bombay phenotype
 - Non-functional FUT1 but have at least one functional FUT2 gene
 - RBCs passively adsorb “secreted” H, A, and B antigens from plasma
 - Varying levels of reactivity on laboratory testing
- Anti-H alloantibody
 - IgM class
 - Clinically significant
 - Reacts with all RBCs except for those from people with Bombay phenotype
 - Anti-H from people with para-Bombay phenotype may have lower titer and lower risk of hemolysis

Blood Drive/Blood Need

- Past Drives
 - Rural Wellness Anadarko – 12 donors with 1 first time donor!
- Upcoming Drives
 - Swisher County Community & Hospital – May 6th
 - Carnegie Hospital & Community – May 12th
 - Oklahoma ER & Hospital – May 12th
 - Select Specialty Hospital – May 12th

O NEGATIVE DONORS NEEDED!



Thank you

The End