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interference with blood compatibility testing bne demumutereb to noiteziminim Important information on safety and risk



This document has been reviewed and approved by the Saudi Food and Drug Authority (SFDA) September 2024, Version 1.0

daratumumab Interference Mitigation Methods



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DARATUMUMAB



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Additional Resources

For full prescribing information, please refer to the datasheet or contact Johnson & Johnson Middle East FZ-LLC (Riyadh) bddress: Prince Muhammed Bin bddulasis Rd, Tower B, Level 30, Olaya towers. Office

Tel 00966-11-4339133 , Postal address: P O Box 65305 Riyadh 11556, Saudi Arabia

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To report Adverse Events/Product Complaint or any Medical Information Inquiries,

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• The patient should carry the patient ID card for 6 months after stopping treatment .

- A patient's compatibility profile, determined prior to their first dose of daratumumab, is recorded on the patient's ID card
- The healthcare professionals should provide a patient ID card to their patients and advise them to consult the package leaflet.

 - If blood is needed urgently, can provide ABG extended Rh and K compatible RBC units pending further serological testing.
- If an emergency transfusion is required, non-crossmatched, ABO/RhD-compatible RBCs can be given, per local blood bank practices⁶

transtrusions. In the current post marketing safety data, we have clinically significant hemolysis has not been observed (data on file)

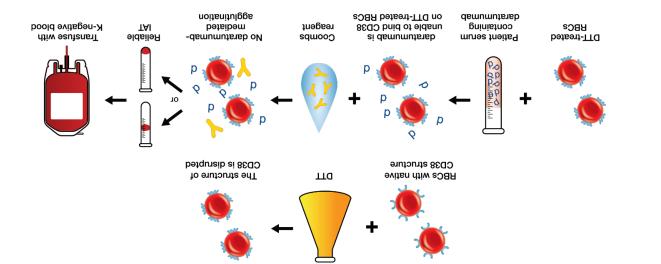
Daratumumab Interference Is Clinically Manageable

• To date, no clinically significant hemolysis has been observed in patients receiving daratumumab, and no transfusion reactions have occurred in patients requiring

- - ¹ anapitne GrA/OBA to notistification of ABO/RAD antigens •

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Treat Reagent RBCs With DTT or Locally Validated Method

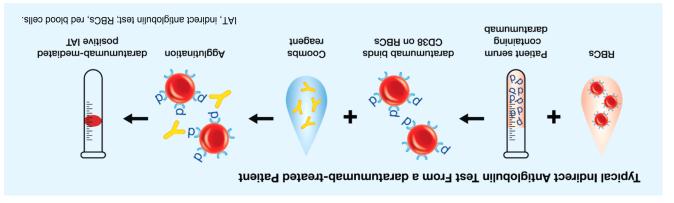


DDT, dithiothreitol; IAT, indirect antiglobulin test; RBC, red blood cells.

- Treat reagent RBCs with dithiothreitol (DTT) to disrupt daratumumab binding, thus allowing antibody screening or crossmatching to be performed; the protocol can be found in Chapuy et al¹. Alternative locally validated methods can also be used
- Blood products for transfusion were identified for daratumumab-treated patients, after using DTT-treated reagent RBCs for antibody screening¹
- Since the Kell blood group system is also sensitive to DTT treatment,⁸ K-negative units should be supplied after ruling out or identifying alloantibodies using DTT-treated RBCs

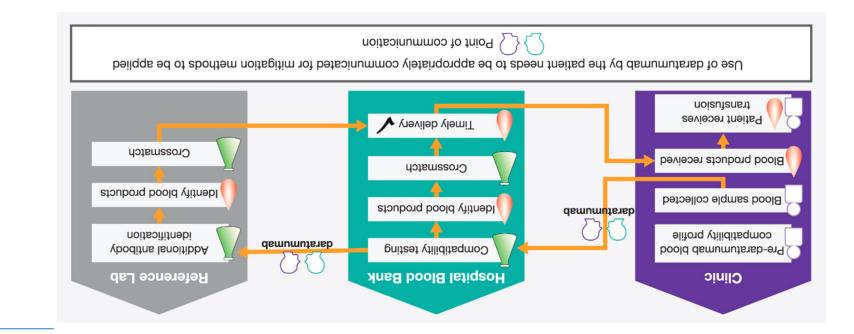
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persist for up to 6 months after the last product's infusion



- \bullet daratumums is a human monoclonal antibody for the treatment of multiple myeloms or AL amyloidosis^
- daratumumab binds to CD38,¹ a protein that is expressed at low levels on red blood cells (RBCs)³⁻⁵
- daratumumab binding to RBCs may mask the detection of antibodies to minor antigens. This interferes with compatibility tests,
 including the antibody screening and crossmatching¹
 This document has been reviewed and approved by the Saudi Food and Drug Authority (SFDA)

Help Prevent Delays by Applying Mitigation Methods



- If steps are not taken to mitigate daratumumab interference, delays in the release of blood products for transfusion may occur
- Blood products for transfusion can be identified for daratumumab-treated patients using protocols available in the literature^{1,6}
 or by using genotyping⁷