

**T AND B CELL CROSS MATCH REPORT**  
(Complement Mediated Cytotoxicity with DTT treatment)

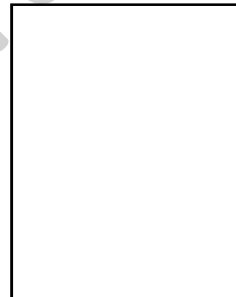
**A). Auto Cross Match (Recipient cells and Recipient Serum):**

IgM Antibodies **Negative / Weakly Positive.**

**B). Cross Match with Dithiothreitol (DTT) Treatment (Donor cells and Recipient serum):**

			Ref. Range
<b>T cell cross match:</b>			
At 4°C.	-	%	(<20%)
At Room Temperature	-	%	(<20%)
<b>B cell cross match:</b>			
At 4°C.	-	%	(<20%)
At Room Temperature	-	%	(<20%)

**FINAL RESULT:** T and B cell cross match negative at both 4°C and Room Temperature.



DR. ATUL THATAI  
PhD  
HOD - Molecular Diagnostics

Prof. DR. JASMEET KAUR  
MD (PATH), PhD (Transplant - Immunology & Immunogenetics)  
HOD - Histocompatibility & Transplant Immunology

DR. VANDANA LAL  
MD (PATH), IFCAP  
Chief of Pathology

**Interpretive guide:**

1. Donor lymphocytes showing more than 20% cell death over the background constitutes a positive cross match.
2. Donor lymphocytes negative with negative control but positive in any dilution constitutes a positive cross match.
3. B cell cross-matches are controversial. High titre B cell antibodies in a recipient may be detrimental to graft survival.
4. Presence of IgM autoantibodies is not a contraindication to transplantation.
5. The test is valid for 72 hours only, and ideally Lymphocyte cross match must be repeated if patient is exposed to a sensitizing event like blood transfusion, infections, pregnancy etc.

**Note:** Test conducted on serum and ACD whole blood.