

TURN AROUND TIMES (TAT) IN IMMUNOHAEMATOLOGY LABORATORIES



This document is applicable to all Immunohaematology Laboratory staff.

TYPE OF TEST	TAT
<ul style="list-style-type: none"> Investigations on patients awaiting urgent transfusion. Allo-agglutinin titration requests on samples from patients for transplantation. Autologous or Directed Donation requests. Molecular Red Cell Genotyping investigations for patients requiring transfusion. 	12 – 24 hours
<ul style="list-style-type: none"> Problem crossmatches. Patient ABO and Rh confirmations. Red cell antigen typing for patients requiring transfusion (provided that there is sufficient blood available for screening). Titration tests for problem crossmatches. 	24 hours
<ul style="list-style-type: none"> Complex antibody investigations performed by the Reference Laboratory. 	2 working days
<ul style="list-style-type: none"> Donation Testing Department tests request–Rh negative/new donors. Donation Testing Department test request–All other results. 	24 hours 5 working days
<ul style="list-style-type: none"> Transfusion Reaction – Serious Adverse Event-testing and updating on Blood Establishment Computer System (BECS). Transfusion Reaction – Serious Adverse Event-completion of the reports. Transfusion Reaction – Routine testing. 	3 working days 5 Working days 30 working days
<ul style="list-style-type: none"> NBI Test Request– APT Testing for NBI. NBI Test Request–Antibody screening and haemagglutinins. 	5 working days 10 working days
<ul style="list-style-type: none"> New and routine Antenatal Investigations. 	10 working days
<ul style="list-style-type: none"> Antenatal cases. Reagent standardisations. Hyperimmune antibody screen tests. Full Rh Typing. Partial RhD Typing. ABO Confirmatory Testing. 	5 working days
<ul style="list-style-type: none"> Samples requiring molecular Red Cell Genotyping - batched and tested. 	Once a month unless urgent request received

Important Note:

Some problem crossmatch/complex antibody investigation cases performed in the Red Cell Serology and Reference Laboratories may not meet their stipulated turnaround times due to complexity and/or availability of blood. In these cases, daily updates must be provided to ensure that the Blood Banks and other relevant SANBS personnel are kept informed as to the progress of the case.

The above table reflects the TATs from Monday to Friday during office hour. Red Cell Serology (CK & KZN), and Reference Laboratory's 24-hour on-call system will manage all Urgent cases, where patients require transfusion.

Revision Summary

VERSION NUMBER	REVISION DETAILS
6	<ul style="list-style-type: none">• Changed TR Serious Adverse Event from 7 to 5 days