

Laboratories with HLA-B*15:02 and HLA-B*58:01 genotyping test services



HLA-B*15:02 test:

- This is a standard of care test for new patients of Asian ancestry prior to starting treatment with carbamazepine (CBZ). This test helps to identify patients who may be at risk of developing Stevens-Johnson Syndrome (SJS) or toxic epidermal necrolysis (TEN) due to the genetic (HLA-B*15:02) susceptibility to CBZ sensitivity.¹

HLA-B*58:01 test:

- This test may be offered to at-risk patients due to the association between HLA-B*58:01 allele and allopurinol-induced severe cutaneous adverse reaction (SCAR). While HLA-B*58:01 allele is a known risk factor, reactions may still develop without the allele as there are non-genetic factors that increase the risk.²

Laboratory	Address	Contact details	Website	HLA-B*15:02	HLA-B*58:01	Turnaround time (estimated)
DNA Diagnostic & Research Laboratory	KK Women's and Children's Hospital, Children's Tower, Basement 1 100 Bukit Timah Road, Singapore 229899	Tel: (65) 6394 1395/6 Email: ddrl@kkh.com.sg	https://www.kkh.com.sg/patient-care/areas-of-care/childrens-services/Pages/dna-diagnostic-research-lab.aspx	✓	✓	2 working days
Molecular Diagnosis Centre	National University Hospital, Main Building Level 3, 5 Lower Kent Ridge Road, Singapore 119074	Tel: (65) 6778 5171 Email: nrl@nuhs.edu.sg	https://www.nuh.com.sg/care-at-nuh/specialties/laboratory-medicine	✓	✗	1 – 4 working days
Molecular Laboratory, Department of Microbiology	Singapore General Hospital, Academia, Diagnostics Tower, Level 12 Singapore 169856	Tel: (65) 6326 6920/1 Email: molecular.lab@sgh.com.sg	https://www.sgh.com.sg/patient-care/specialties-services/Pathology/Pages/HLA-B-1502-Genotyping-.aspx	✓	✗	1 – 5 calendar days
Molecular Diagnostics Laboratory	Tan Tock Seng Hospital, 11 Jalan Tan Tock Seng Singapore 308433	E-mail: Mdl_enquiry@ttsh.com.sg	https://www.ttsh.com.sg/Patients-and-Visitors/Medical-Services/personalised-medicine/Pages/default.aspx	✓	✓	1 – 3 working days (HLA-B*15:02) 3 – 5 working days (HLA-B*58:01)
Tissue Typing Laboratory	Health Sciences Authority, 11 Outram Road, Singapore 169078	Tel: (65) 6213 0632/3 E-mail: HSA_BSG_TPS@hsa.gov.sg	https://www.hsa.gov.sg/about-us/blood-services/transfusion-medicine/hospital-services/tissue-typing-laboratory	✓	✓	7 working days

The information above is correct at the time of publication. Refer to the laboratory's website for the latest information. For sample courier services, contact your clinic's laboratory service provider.

References:

- <https://www.hsa.gov.sg/announcements/safety-alert/recommendations-for-hla-b-1502-genotype-testing-prior-to-initiation-of-carbamazepine-in-new-patients>
- [https://www.ace-hta.gov.sg/healthcare-professionals/ace-clinical-guidances-\(acgs\)/details/gout-achieving-the-management-goal-2023](https://www.ace-hta.gov.sg/healthcare-professionals/ace-clinical-guidances-(acgs)/details/gout-achieving-the-management-goal-2023)

