

INVITAE HEMATOLOGY GENE PANEL TESTS

Our testing menu curated by medical genetics experts contains inherited hematological conditions including bone marrow failure syndromes, hereditary hemochromatosis, and thrombophilia.

CLINICAL AREA: HEREDITARY CANCER

| Test name | # gene(s) | Gene list |
|--|-----------|--|
| Bone Marrow Failure Syndromes | | |
| Invitae Bone Marrow Failure Syndromes Panel | 39 | BRCA2, BRIP1, CTC1, DKC1, ELANE, ERCC4, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, GATA1, GATA2, MPL, NHP2, NOP10, PALB2, RAD51C, RPL11, RPL26, RPL35A, RPL5, RPS10, RPS19, RPS24, RPS26, RPS7, RUNX1, SLX4, TERC, TERT, TINF2, WAS, XRCC2 |
| Invitae Congenital Amegakaryocytic Thrombocytopenia Test | 1 | MPL |
| Invitae Diamond-Blackfan Anemia Panel | 10 | GATA1, RPL11, RPL26, RPL35A, RPL5, RPS10, RPS19, RPS24, RPS26, RPS7 |
| Invitae Dyskeratosis Congenita Panel | 7 | CTC1, DKC1, NHP2, NOP10, TERC, TERT, TINF2 |
| Invitae ELANE-Related Neutropenia Test | 1 | ELANE |
| Invitae Fanconi Anemia Panel | 17 | BRCA2, BRIP1, ERCC4, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, PALB2, RAD51C, SLX4, XRCC2 |
| Invitae GATA1-Related X-Linked Cytopenia Test | 1 | GATA1 |
| Invitae GATA2 Deficiency Test | 1 | GATA2 |
| Invitae WAS-Related Disorders Test | 1 | WAS |

CLINICAL AREA: NON-MALIGNANT HEMATOLOGY

| Test name | # gene(s) | Gene list | |
|--|-----------------|-------------------------------|-----|
| Hereditary Hemochromatosis | | | |
| Invitae Hereditary Hemochromatosis Panel | 5 | HAMP, HFE, HJV, SLC40A1, TFR2 | |
| Hereditary Thrombophilia | | | |
| Invitae Hereditary Thrombophilia Panel | 5 | F2, F5, PROC, PROS1, SERPINC1 | |
| | Add-on F9 gene | 1 | F9 |
| | Add-on MPL gene | 1 | MPL |
| Invitae Antithrombin III Deficiency Test | 1 | SERPINC1 | |
| Invitae Protein C Deficiency Test | 1 | PROC | |
| Invitae Protein S Deficiency Test | 1 | PROS1 | |