

INVITAE DERMATOLOGY GENE PANEL TESTS

Our testing menu, designed and curated by a team of medical genetics experts, contains dermatology-related hereditary cancer conditions, such as melanoma and basal cell nevus syndrome. It also covers developmental disorders that affect the skin, including ectodermal dysplasia and schwannomatosis.

CLINICAL AREA: HEREDITARY CANCER

Test name	# gene(s)	Gene list
Dermatology-Related Cancer Syndromes		
Invitae Basal Cell Nevus Syndrome Panel	2	PTCH1, SUFU
Add-on preliminary-evidence gene	1	PTCH2
Invitae Birt-Hogg-Dubé Syndrome Test	1	FLCN
Invitae Lynch Syndrome Panel	5	EPCAM, MLH1, MSH2, MSH6, PMS2
Invitae Melanoma Panel	9	BAP1, BRCA2, CDK4, CDKN2A, MITF, POT1, PTEN, RB1, TP53
Add-on preliminary-evidence genes	3	BRCA1, MC1R, TERT
Invitae Melanoma-Pancreatic Cancer Syndrome Panel	2	CDK4, CDKN2A
Invitae Neurofibromatosis Type 2 Test	1	NF2
Add-on schwannomatosis gene	1	SMARCB1
Invitae Schwannomatosis Test	1	SMARCB1
Add-on neurofibromatosis type 2 gene	1	NF2
Invitae Tuberous Sclerosis Complex Panel	2	TSC1, TSC2

CLINICAL AREA: PEDIATRIC AND RARE DISEASE

Test name	# gene(s)	Gene list
Skin Disorders		
Invitae Cardio-Facio-Cutaneous Syndrome Panel	6	BRAF, KRAS, MAP2K1, MAP2K2, SHOC2, SOS1
Invitae Ectodermal Dysplasia with or without Tooth Agenesis Panel	8	EDA, EDAR, EDARADD, LTBP3, MSX1, NFKBIA, PAX9, WNT10A
Add-on Clouston syndrome and TP63-related disorder genes	2	GJB6, TP63
Invitae Legius Syndrome Test	1	SPRED1
Add-on neurofibromatosis type 1 gene	1	NF1
Invitae Noonan Syndrome with Multiple Lentiginosities Panel	3	BRAF, PTPN11, RAF1
Invitae PTEN-Related Disorders Test	1	PTEN
Invitae TP63-Related Disorders Test	1	TP63
Invitae van der Woude Syndrome Panel	2	GRHL3, IRF6