



Wider view on mutation spectrum

Cystic Fibrosis Analysis Kit

– all you need in one box –



Quick facts

- 271 genetic variations from CFTR gene detected simultaneously in a single run
- Most frequently screened genetic variations in both Caucasians as well as non-Caucasians populations
- Developed with the leading scientists in the Cystic Fibrosis research community backed by the latest scientific and medical studies

Easy to use

- Everything you need is in one box
- Analysis software comes with integrated guidance for mutation detection
- Barcoded arrays to ensure precise tracking
- Consultations from day-to-day users

Cystic Fibrosis Test

- Genorama Cystic Fibrosis Analysis Kit is based on flexible and cost-effective Arrayed Primer EXTension (APEX) genotyping technology
- The kit enables to determine 271 genetic variations in CFTR gene
- Genorama Cystic Fibrosis genetic test is recommended for carrier testing, confirming the diagnosis as well as for family planning and male infertility

Cystic Fibrosis Analysis Kit

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Reliable and up to date

- >99.9% accuracy and reproducibility
- List of relevant publications is available on Genorama website
- IVD CE certified
- Intensively used throughout years and hundreds of screened samples
- Based on established and validated APEX technology
- Genorama is keeping a close eye on new discoveries in the field

Genorama Cystic Fibrosis Analysis KIT includes all consumables for successful analysis process and provides all necessary reagents, PCR primers and barcoded arrays for 25 tests

- PCR primers and purification Kit
- APEX Template Preparation Kit
- APEX Reaction Mixture Kit
- Cystic Fibrosis microarrays

APEX technology

Arrayed Primer EXTension (APEX) genotyping is based upon an array of oligonucleotides, immobilized on glass surface via their 5' end. Patient's DNA is amplified by PCR, digested enzymatically and annealed to the immobilized primers, which promote sites for template-dependent DNA polymerase extension reactions using four unique fluorescently labelled dideoxy nucleotides. The mutation is detected by the change in primer sites colour code using the previously installed Genorama genotyping platform.

Ordering information

Cat #	Product name
G10002	Cystic Fibrosis Analysis KIT for 25 reactions

For further information please contact Genorama representatives

Genetic variations in test

CFTR gene

c.43delC; c.43_44insT; c.54-5940_273+10250del21kb; c.57G>T; c.115C>T; c.164+1G>C; c.164+1G>T; c.164+1G>A; c.164+12T>C; c.170G>A; c.171G>A; c.178G>T; c.200C>T; c.204A>T; c.221G>A; c.223C>T; c.254G>A; c.262_263delTT; c.271G>A; c.273+1G>A; c.273+3A>C; c.274-1G>A; c.274-1G>C; c.274-G>T; c.274G>T; c.274G>A; c.287C>A; c.293A>G; c.293A>C; c.313delA; c.325_327delTATinsG; c.328delG; c.328G>C; c.328G>T; c.328G>A; c.349C>T; c.349C>G; c.350G>A; c.350G>C; c.350G>T; c.366T>A; c.410T>C; c.410T>G; c.410T>A; c.442delA; c.442A>T; c.443T>C; c.484A>G; c.489G>A; c.489+1G>T; c.489+2T>C; c.489+2T>G; c.489+3A>G; c.494delT; c.531delT; c.532G>A; c.579+1G>T; c.579+3A>G; c.579+3A>C; c.579+3A>T; c.579+5G>A; c.580-1G>T; c.595C>T; c.613C>T; c.617T>G; c.650A>G; c.658C>T; c.741C>G; c.741C>T; c.803delA; c.805_806delAT; c.828C>A; c.859A>T; c.870-3T>G; c.933_935delCTT; c.948delT; c.987delA; c.988G>T; c.1000C>T; c.1007T>A; c.1013C>T; c.1022_1023insTC; c.1029delC; c.1037T>C; c.1040G>A; c.1040G>C; c.1040G>T; c.1043T>A; c.1043T>C; c.1055G>A; c.[1075C>A;1079C>A]; c.1090T>C; c.1127_1128insA; c.1133A>G; c.1202G>A; c.1203G>A; c.1210-12T[5_9]; c.1210-2A>C; c.1364C>A; c.1373delG; c.1393-1G>A; c.1438G>T; c.1438G>A; c.1477C>T; c.1477_1478delCA; c.1487G>A; c.1516A>G; c.1516A>C; c.1519_1521delATC; c.1519A>G; c.1521_1523delCTT; c.1522_1524delTTT; c.1523T>G; c.1523T>C; c.1545_1546delTA; c.1558G>T; c.1558G>A; c.1572C>A; c.1585-1G>A; c.1585-2A>G; c.1585-2A>T; c.1585-8G>A; c.1624G>T; c.1645A>C; c.1624G>T; c.1646G>A; c.1647T>G; c.1652delG; c.1652G>A; c.1654C>T; c.1654C>A; c.1657C>T; c.1657C>G; c.1658G>A; c.1673T>C; c.1673T>C; c.1679G>C; c.1679G>A; c.1679+1.6kbA>G; c.1680-1G>A; c.1687T>G; c.1687T>A; c.1687T>C; c.1694A>G; c.1703delT; c.1705T>G; c.1705T>C; c.1714G>A; c.1714G>C; c.1745C>G; c.1745C>T; c.1753G>T; c.1766+1G>A; c.1766+1G>C; c.1766+1G>T; c.1766+5G>T; c.1766+5G>A; c.1792_1798delIAAACTA; c.1817_1900delIAAATGGAACATTTAAAGAAAGCTGACAAAATATTAATTTGTCATGAAGGTAGCAGCTATTTTTATGGGACATTTTCAGAACTCC; c.1853T>C; c.1911delG; c.1923_1931del9insA; c.1943A>T; c.1973_1985del13insAGAAA; c.1976delA; c.2002C>T; c.2012delT; c.2044_2045insC; c.2051_2052delAAinsG; c.2052delA; c.2052_2053insA; c.2053C>T; c.2125C>T; c.2128A>T; c.2175_2176insA; c.2260G>A; c.2290C>T; c.2464G>T; c.2464G>A; c.2538G>A; c.2583delT; c.2602delGinsAT; c.2619+2T>A; c.2620-26A>G; c.2634_2641delGGTTGTGC; c.2657+5G>A; c.2658-1G>C; c.2658-1G>T; c.2658-2A>G; c.2668C>T; c.2737_2738insG; c.2859_2890delACATTCTGTTCTTCAAGCACCTATGTCAACCC; c.2834C>T; c.2988G>A; c.2988+1G>A; c.2989-2A>G; c.2989-2A>T; c.3002_3003delITG; c.3014T>G; c.3021delT; c.3039delC; c.3039_3040insC; c.3061C>G; c.3061C>T; c.3067_3072delATAGTG; c.3139_3139+1delGG; c.3140-26A>G; c.3140-4A>G; c.3154T>G; c.3181G>C; c.3193C>T; c.3194T>C; c.3194T>G; c.3196C>T; c.3196C>A; c.3197G>A; c.3197G>T; c.3205G>A; c.3209G>A; c.3209G>C; c.3230T>C; c.3266G>A; c.3276C>A; c.3276C>G; c.3278T>C; c.3292T>C; c.3299A>C; c.3302T>A; c.3302T>G; c.3368-2A>T; c.3368-2A>G; c.3454G>C; c.3472C>T; c.3472C>A; c.3484C>T; c.3528delC; c.3587C>G; c.3598A>G; c.3607A>G; c.3598_3600delA; c.3659delC; c.3659C>T; c.3691delT; c.3705T>G; c.3712C>T; c.3717+4A>G; c.3717+12191C>T; c.3718-1G>A; c.3731G>A; c.3731G>T; c.3744delA; c.3746G>A; c.3752G>A; c.3754A>C; c.3764C>A; c.3764C>T; c.3773_3774insT; c.3808G>A; c.3808G>T; c.3844T>C; c.3844T>G; c.3846G>A; c.3846G>T; c.3848G>T; c.3848G>A; c.3873+1G>A; c.3882_3885delTATT; c.3884_3885insT; c.(?_3874)_(3963_?)del; c.3909C>G; c.4251delA