

Erläuterungen

EndoPredict Test Bitte gesonderten Begutachtungsauftrag ausfüllen.
Oncotype DX Test <i>Bitte kontaktieren Sie zur Anforderung des Test Exact Science.</i> Informationen zum Test und zur Bestellung unter: Tel.: +49 69 902 349 96 E-Mail: support@oncotypedx.de Gerne helfen wir Ihnen persönlich bei generellen Fragen zum Ablauf weiter.
Liquid Biopsy Die histologischen Befunde des Primärtumors und ggf. der Metastase(n) sind beizugefügen. Anhand der in der Blutprobe enthaltenen zellfreien Tumor-DNA wird eine Mutationsanalyse des ESR1-Gens und/oder des PIK3CA-Gens durchgeführt. Droplex ESR1 Mutation Test (Biotype) Nachweis von 16 definierten Mutationen in der Liganden-Bindungsdomäne des ESR1-Gens Exon 5: E380Q Exon 7: S463P Exon 8: V534E, L536P/R/Q/H, Y537S/C/N/H/D, D538G Droplex PIK3CA Mutation Test (Biotype) Nachweis der 11 definierten Mutationen innerhalb der katalytischen a-Untereinheit des PI3K-Gens Exon 7: C420R Exon 9: E542K, E545K/A/G/D, Q546E/R Exon 20: H1047R/L/Y
Thermo Fisher Oncomine Focus Assay DNA/RNA-basiert Hotspot-Mutationen: 35 Gene AKT1, ALK, AR, BRAF, CDK4, CTNNB1, DDR2, EGFR, ERBB (HER)2/3/4 ESR1, FGFR1/2, GNA11, GNAQ, HRAS, IDH1/2, JAK1/2/3, KIT, KRAS, MAP2K1/2, MET, MTOR, NRAS, PDGFRA, PIK3CA, RAF1, RET, ROS1, SMO Erhöhte DNA-Kopiezahl: 19 Gene ALK, AR, BRAF, CCND1, CDK4/6, EGFR, ERBB2(HER2), FGFR1/2/3/4, KIT, KRAS, MET, MYC, MYCN, PDGFRA, PIK3CA Fusionstranskripte: 23 Gene ABL1, AKT3, ALK, AXL, BRAF, ERG, ETV1/4/5, EGFR, ERBB2, FGFR1/2/3, MET, NTRK1/2/3, PDGFRA, PPARG, RAF1, RET, ROS1
ThermoFisher Oncomine Comprehensive Assay v3 DNA/RNA basiert Hotspot-Mutationen: 87 Gene AKT1, AKT2, AKT3, ALK, AR, ARAF, AXL, BRAF, BTK, CBL, CCND1, CDK4, CDK6, CHEK2, CSF1R, CTNNB1, DDR2, EGFR, ERBB2, ERBB3, ERBB4, ERCC2, ESR1, EZH2, FGFR1, FGFR2, FGFR3, FGFR4, FLT3, FOXL2, GATA2, GNA11, GNAQ, GNAS, H3F3A, HIST1H3B, HNF1A, HRAS, IDH1, IDH2, JAK1, JAK2, JAK3, KDR, KIT, KNSTRN, KRAS, MAGOH, MAP2K1, MAP2K2, MAP2K4, MAPK1, MAX, MDM4, MED12, MET, MTOR, MYC, MYCN, MYD88, NFE2L2, NRAS, NTRK1; NTRK2, NTRK3, PDGFRA, PDGFRB, PIK3CA, PIK3CB, PPP2R1A, PTPN11, RAC1, RAF1, RET, RHEB, RHOA, ROS1, SF3B1, SMAD4, SMO, SPOB, SRC, STAT3, TERT, TOP1, U2AF1, XPO1 Erhöhte DNA-Kopiezahl: 43 Gene AKT1, AKT2, AKT3, ALK, AR, ARAF, CCND1, CCND2, CCND3, CCNE1, CDK2, CDK4, CDK6, EGFR, ERBB2, ESR1, FGF19, FGF3, FGFR1, FGFR2, FGFR3, FGFR4, FLT3, IGF1R, KIT, KRAS, MDM2, MDM4, MET, MYC, MYCL, MYCN, NTRK1, NTRK2, NTRK3, PDGFRA, PDGFRB, PIK3CA, PIK3CB, PPARG, RICTOR, TERT Fusionstranskripte: 51 Gene AKT2, ALK, AR, AXL, BRAF, BRCA1, BRCA2, CDKN2A, EGFR, ERBB2, ERBB4, ERG, ESR1, ETV1, ETV4, ETV5, FGFR1, FGFR2, FGFR3, FGR, FLT3, JAK2, KRAS, MDM4, MET, MYB, MYBL1, NF1, NOTCH1, NOTCH4, NRG1, NTRK1, NTRK2, NTRK3, NUTM1, PDGFRA, PDGFRB, PIK3CA, PPARG, PRKACA, PRKACB, PTEN, RAD51B, RAF1, RB1, RELA, RET, ROS1, RSPO2, RSPO3, TERT Komplett abgedeckte Gene: 48 ARID1A, ATM, ATR, ATRX, BAP1, BRCA1, BRCA2, CDK12, CDKN1B, CDKN2A, CDKN2B, CHEK1, CREBBP, FANCA, FANCD2, FANCI, FBXW7, MLH1, MRE11, MSH2, MSH6, NBN, NF1, NF2, NOTCH1, NOTCH2, NOTCH3, PALB2, PIK3R1, PMS2, POLE, PTCH1, PTEN, RAD50, RAD51, RAD51C, RAD51D, RAD51B, RB1, RNF43, SETD2, SLX4, SMARCA4, SMARCB1, STK11, TP53, TSC1, TSC2
OncoDEEP® Kit DNA/RNA basiert: DNA-Varianten: 628 Gene ABL1, ABL2, ACVR1, ACVR1B, ADARB2, AGO1, AGO2, AJUBA, AKT1, AKT2, AKT3, ALB, ALK, ALOX12B, AMER1, ANKRD11, ANKRD26, APC, APLNR, AR, ARAF, ARFRP1, ARHGAP35, ARID1A, ARID1B, ARID2, ARID5B, ASXL1, ASXL2, ATM, ATR, ATRX, ATXN7, AURKA, AURKB, AXIN1, AXIN2, AXL, B2M, BABAM1, BAP1, BARD1, BBC3, BCL10, BCL2, BCL2L1, BCL2L11, BCL2L2, BCL6, BCOR, BCORL1, BCR, BIRC3, BLM, BMPR1A, BRAF, BRCA1, BRCA2, BRD4, BRIP1, BTG1, BTG2, BTK, C11orf30, CALR, CARD11, CARM1, CASP8, CBFb, CBL, CCNB3, CCND1, CCND2, CCND3, CCNE1, CD276, CD70, CD74, CD79A, CD79B, CDC42, CDC73, CDH1, CDH4, CDK12, CDK4, CDK6, CDK7, CDK8, CDKN1A, CDKN1B, CDKN2A, CDKN2B, CDKN2C, CEBPA, CENPA, CHD2, CHD4, CHEK1, CHEK2, CIC, CMTR2, CNTN4, CREBBP, CRKL, CRLF2, CSDE1, CSF1R, CSF3R, CSNK1A1, CTCF, CTLLA, CTNNA1, CTNNB1, CTR9, CUL3, CUL4A, CUX1, CXCR4, CYLD, CYP17A1, CYP19A1, CYP2C19, CYP2D6, CYSLTR2, DAXX, DCUN1D1, DDR1, DDR2, DDX41, DHX15, DICER1, DIS3, DNAJB1, DNMT1, DNMT3A, DNMT3B, DOT1L, DPYD, DROSHA, DUSP4, E2F3, EED, EGFL7, EGFR, EIF1AX, EIF4A2, EIF4E, ELF3, EML4, EP300, EPAS1, EPCAM, EPHA5, EPHA5, EPHA7, EPHB1, EPHB4, ERBB2, ERBB3, ERBB4, ERCC1, ERCC2, ERCC3, ERCC4, ERCC5, ERF, ERG, ERFF1, ESR1, ETAA1, ETS1, ETV1, ETV4, ETV5, ETV6, EWSR1, EZH1, EZH2, EZR, FAM175A, FAM46C, FAM58A, FANCA, FANCC, FANCD2, FANCF, FANCF, FANCG, FANCI, FANCL, FAS, FAT1, FBXW7, FGF1, FGF10, FGF12, FGF14, FGF19, FGF2, FGF23, FGF3, FGF4, FGF5, FGF6, FGF7, FGF8, FGF9, FGFR1, FGFR2, FGFR3, FGFR4, FH, FLCN, FLI1, FLT1, FLT3, FLT4, FOXA1, FOXF1, FOXL2, FOXO1, FOXP1, FRX2, FUBP1, FYN, GAB1, GAB2, GABRA6, GATA1, GATA2, GATA3, GATA4, GATA6, GEM1, GID4, GLI1, GNA11, GNA13, GNAQ, GNAS, GNB1, GPR124, GPS2, GREM1, GRIN2A, GRM3, GSK3B, H3F3A, H3F3B, H3F3C, HDAC1, HGF, HIST1H1C, HIST1H2BD, HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J, HIST2H3A, HIST2H3C, HIST2H3D, HIST3H3, HLA-A, HLA-B, HLA-C, HNF1A, HNRNPk, HOXB13, HRAS, HSD3B1, HSP90AA1, ICOSLG, ID3, IDH1, IDH2, IFNGR1, IGF1, IGF1R, IGF2, IKKBE, IKZF1, IL10, IL7R, INHA, INHBA, INPP4A, INPP4B, INPPL1, INSR, IRF2, IRF4, IRS1, IRS2, JAK1, JAK2, JUN, KAT6A, KBTBD4, KDM5A, KDM5C, KDM6A, KDR, KEAP1, KEL, KIF5B, KIT, KLF4, KLF5, KLHL6, KMT2A, KMT2B, KMT2C, KMT2D, KNSTRN, KRAS, LAMP1, LATS1, LATS2, LMO1, LRP1B, LTK, LYN, LZTR1, MAD2L2, MAGI2, MALT1, MAP2K1, MAP2K2, MAP2K4, MAP3K1, MAP3K13, MAP3K14, MAP3K4, MAPK1, MAPK3, MAPKAP1, MAX, MCL1, MDC1, MDM2, MDM4, MED12, MEF2B, MEN1, MET, MGA, MITF, MLH1, MLLT1, MLLT3, MPL, MRE11A, MSH2, MSH3, MSH6, MSI1, MSI2, MST1, MST1R, MTAP, MTOR, MUTHY, MYB, MYC, MYCL, MYCN, MYD88, MYOY1, NAB2, NADK, NBN, NCOA3, NCOR1, NEGR1, NF1, NF2, NFE2L2, NFKBIA, NKX2-1, NKX3-1, NOTCH1, NOTCH2, NOTCH3, NOTCH4, NPM1, NRAS, NRG1, NSD1, NTSC2, NTHL1, NTRK1, NTRK2, NTRK3, NUF2, NUP93, NUTM1, OPCML, P2RY8, PAK1, PAK3, PAK7, PALB2, PARK2, PARP1, PARP2, PARP3, PAX3, PAX5, PAX7, PAX8, PBRM1, PD-1, PDGFRA, PDGFRB, PDK1, PD-L1, PD-L2, PDPK1, PGDB5, PGR, PHF6, PHOX2B, PIGA, PIK3C2B, PIK3C2G, PIK3C3, PIK3CA, PIK3CB, PIK3CD, PIK3CG, PIK3R1, PIK3R2, PIK3R3, PIM1, PLCG2, PLK2, PMAIP1, PMS1, PMS2, PNRC1, POLD1, POLE, POT1, PPARG, PPM1D, PPP2R1A, PPP2R2A, PPP4R2, PPP6C, PRDM1, PRDM14, PREX2, PRKAR1A, PRKCI, PRKD1, PRKDC, PRSS8, PTCH1, PTEN, PTP4A1, PTPN11, PTPRD, PTPRN2, PTPRS, PTPRT, QKI, RAB35, RAC1, RAC2, RAD21, RAD50, RAD51, RAD51B, RAD51C, RAD51D, RAD52, RAD54L, RAF1, RANBP2, RARA, RASA1, RB1, RBM10, RECQL, RECQL4, REL, REST, RET, RFWD2, RHEB, RHOA, RICTOR, RIT1, RNF43, ROS1, RPS6KA4, RPS6KB1, RPS6KB2, RPTOR, RRAGC, RRAS, RRAS2, RSPO2, RTEL1, RUNX1, RUNX1T1, RXRA, RYBP, SCG5, SDCA, SDHA, SDHAF2, SDHB, SDHC, SDHD, SERPINB3, SERPINB4, SESN1, SESN2, SESN3, SETBP1, SETD2, SETD8, SETDB1, SF3B1, SGK1, SH2B3, SH2D1A, SHOC2, SHQ1, SLC34A2, SLFN11, SLIT2, SLX4, SMAD2, SMAD3, SMAD4, SMARCA2, SMARCA4, SMARCB1, SMARCD1, SMARCE1, SMC1A, SMC3, SMO, SMYD3, SNCAIP, SNTG2, SOCS1, SOS1, SOX10, SOX17, SOX2, SOX9, SPEN, SPOF, SPRED1, SPRTN, SPTA1, SRC, SRSF2, STAT2, STAT3, STAT4, STAT5A, STAT5B, STK11, STK19, STK40, SUFU, SUZ12, SYK, TAF1, TAP1, TAP2, TBX3, TCEB1, TCF3, TCF7L2, TEK, TERT, TET1, TET2, TFE3, TFRG, TGFBR1, TGFBR2, TIPARP, TMEM127, TMPRSS2, TNFAIP3, TNFRSF14, TOP1, TOP2A, TP53, TP53BP1, TP63, TPMT, TRAF2, TRAF7, TRIP13, TSC1, TSC2, TSHR, TYRO3, U2AF1, UGT1A1, UPF1, USP8, VEGFA, VHL, VTCN1, WHSC1, WHSC1L1, WISP3, WTT1, WVVTR1, XIAP, XPO1, XRCC2, YAP1, YES1, ZBTB2, ZBTB7A, ZFHX3, ZNF217, ZNF703, ZNRF3, ZRSR2 Fusionstranskripte: 13 Gene ALK, BRAF, FGFR1, FGFR2, FGFR3, EWSR1, NRG1, NTRK1, NTRK, 2, NTRK3, RET, ROS1, TMPRSS2 Abnorme Spliceergeinnisse: 9 Gene AR, BRCA1, BRCA2, EGFR, ERBB2, MET, PALB2, PTEN, RB1 Pharmakogenetik: Hotspots in 4 Genen CYP2D6, DPYD, TPMT, UGT1A1 MSI-Status: >1164 Marker inkl.BAT25, BAT26, D2S123, NR-21, NR-27
Solid Tumor Panel DNA basierend auf OncoDEEP® Kit DNA NGS Panel: Das OncoDeep® Panel (OncoDNA) umfasst grundsätzlich die vollsexonische Analyse von 628 Genen. Aufgrund der spezifischen klinischen Fragestellung werden in diesem Panel ausschließlich 91 tumorrelevante Gene analysiert, die zusammengefasst als Solid Tumor Panel bezeichnet werden. Analyse inkl. TMB, HRD-, MSI-Status. Genliste DNA-Analyse: AKT1, AKT2, AKT3, ALK, AR, ATM, ATR, ARID1A, ARID1B, ARID2, ARID5B, BARD1, BRAF, BRCA1, BRCA2, BRIP1, CCND1, CCND2, CCND3, CDH1, CDK12, CDK4, CDKN2A, CHEK1, CHEK2, CTCF, CTNNB1, DDR2, DICER1, DPYD, EGFR, ERBB2, ERBB3, ERBB4, ESR1, FBXW7, FANCA, FANCL, FGFR1, FGFR2, FGFR3, FGFR4, FOXL2, GNA11, GNAQ, GNAS, H3F3A, HDAC2, HIST1H3B, HOXB13, HRAS, IDH1, IDH2, JAK1, JAK2, KEAP1, KIT, KRAS, MAP2K1, MAP2K2, MET, MRE11A, MTOR, MYC, MYCN, MYOY1, NBN, NF1, NF2, NFE2L2, NKX2-1, NRAS, NRG1, NTRK1, NTRK2, NTRK3, PALB2, PDGFRA, PDGFRB, PIK3C2B, PIK3C2G, PIK3C3, PIK3CA, PIK3CB, PIK3CD, PIK3CG, PIK3R1, PIK3R2, PIK3R3, POLD1, POLE, PPP2R1A, PPP2R2A, PTEN, PTPN11, RAC1, RAD51B, RAD51C, RAD54L, RAF1, RB1, RET, ROS1, SF3B1, SMAD4, SMO, STK11, TERT, TP53