

G-LIFE

Portfolio de estudios somáticos para determinar el perfil molecular de tumores sólidos y poder aplicar una terapia dirigida.

Incluye diversos paneles basados en las guías clínicas nacionales e internacionales centrado en el campo de la medicina de precisión.

TECNOLOGÍA

NGS (next generation sequencing) NextSeq550 Dx, y NovaSeq 6000, de Illumina y Thermo Fisher ION 5s.

PANELES

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ATM, BARD1, BRCA1, BRCA2, BRIP1, CDK12, CHEK2, FANCD2, FANCL, KRAS, MRE11, NBN, PALB2, PIK3CA, POLD1, POLE, PPP2R2A, PTEN, RAD50, RAD 51, RAD 51B, RAD51C, RAD51D, RAD 52, RAD54L, TP53, XRCC2

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ABL1, AKT1, AKT3, ALK, AR, AXL, BRAF, CCND1, CDK4, CDK6, CTNNB1, DDR2, EGFR, ERBB2, ERBB3, ERBB4, ERG, ESR1, ETV1, ETV4, ETV5, FGFR1, FGFR2, FGFR3, FGFR4, GNAQ, HRAS, IDH1, IDH2, JAK1, JAK2, JAK3, KIT, KRAS, MAP2K1, MAP2K2, MET, MTOR, MYC, MYCN, NRAS, NTRK1, NTRK2, NTRK3, PDGFRA, PIK3CA, PPARG, RAF1, RET, ROS1, SMO.

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PAN CÁNCER	BRAF, NTRK1, NTRK2, NTRK3, RET, MSI, TMB	
MAMA	BRAF, NTRK1, NTRK2, NTRK3, RET, MSI, TMB, BRCA1, BRCA2, ERBB2, ESR1, PALB2, PIK3CA	180
COLON RECTAL	ERBB2, KRAS, NRAS	166
HUESO	EGFR, ERG, ETV1, ETV4, EWSR1, FEV, FLI1, FUS, H3F3A, HEY1, IDH1, MDM2, NCOA2, SMARCB1	140
PULMÓN	ALK, EGFR, ERBB2, KRAS, MET, NUTM1, ROS1	223
MELANOMA	KIT, NRAS, ROS1	172
OVARIO	BRCA1, BRCA2, FOXL2	149
SNC	APC, ATRX, CDKN2A, CDKN2B, EGFR, H3F3A, HIST1H3B, HIST1H3C, IDH1, IDH2, MYCN, PTCH1, RELA, TERT, TP53	140
PRÓSTATA	AR, ATM, BARD1, BRCA1, BRCA2, BRIP1, CDK12, CHEK1, CHEK2, FANCL, FGFR2, FGFR3, PALB2, PTEN, RAD51B	151
TIROIDES	HRAS, KRAS, NRAS, TERT	165
ÚTERO Y CERVIX	BRCA2, EPC1, ERBB2, ESR1, FOXO1, GREB1, JAZF1, NCOA2, NCOA3, NUTM2A, NUTM2B, PAX3, PAX7, PHF1, POLE, SMARCA4, SUZ12, TP53, YWHAE,	138
OTROS TUMORES SÓLIDOS	ALK, APC, ARID1A, ASPSCR1, ATF1, ATIC, BAP1, BCOR, BRCA1, BRCA2, CAMTA1, CARS, CCNB3, CDK4, CDKN2A, CIC, CITED2, CLTC, COL1A1, COL6A3, CREB1, CREB3L1, CREB3L2, CSF1, CTNNB1, DDIT3, DDX3X, DNAJB1, DUX4, EED, EGFR, ERBB2, ERG, ETV1, ETV4, ETV6, EWSR1, FEV, FGFR2, FGFR3, FLI1, FOXL2, FOXO1, FOXO4, FUS, GLI1, HEY1, HGF, HMG2, IDH1, KRAS, LEUTX, MAML3, MDM2, MYB, MYOD1, NAB2, NCOA2, NF1, NFATC2, NFIB, NR4A3, NRAS, NUTM1, NUTM2A, NUTM2B, PALB2, PATZ1, PAX3, PAX7, PDGFB, PDGFRA, PRKACA, PRKD1, RANBP2, ROS1, SDHA, SDHB, SDHC, SDHD, SMARCB1, SS18, SSX1, SSX2, SSX4, STAT6, SUZ12, TAF15, TCF12, TERT, TFE3, TFE8, TFG, TP53, TPM3, TPM4, TRAF7, TSPAN31, VGLL2, WT1, WWTR1, YAP1, YWHAE, ZC3H7B	152

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