

1. Panel annealing
2:10 hrs

2. Target extension
10 min

3. Exonuclease
15 min

4. Barcoding
35 min

5. Clean up
20 min

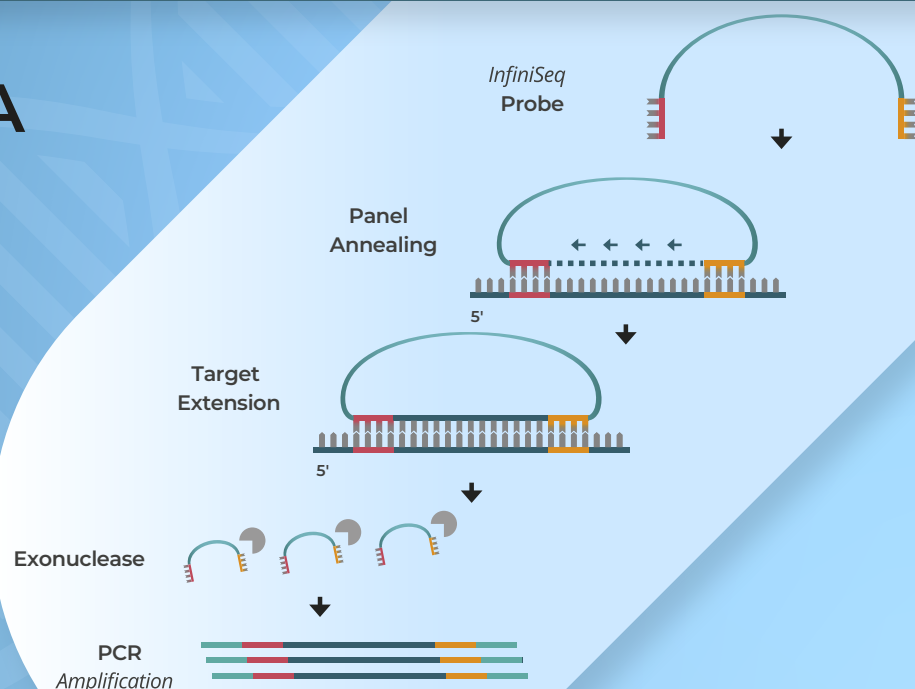
Mimořádně rychlé extrémně jednoduché TARGETED PANELS

CO KDYBYSTE MĚLI HOTOVÝ PANEL JEŠTĚ PŘED OBĚDEM?

CELKOVÁ DOBA PŘÍPRAVY 190 MINUT

Předdefinované panely
a customs panely do 300 genů
Kompatibilita se sekvenátory
Illumina a AVITI

Inovativní protokol InfiniSeq umožňuje
uživatelům poolovat vzorky hned po
prvním kroku. Šetří čas i spotřebovaný
plast a minimalizuje vznik lidské chyby.



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1. ONCOLOGY PANELS

Tissue Specific Panel

Bladder Cancer Panel, Expanded BRCA Panel, Colorectal and Pancreatic Cancer Panel, Gastric and Esophageal Cancer Panel, Gynecological Cancer Panel, InfiniSeq™ HRR Pathway Panel, Kidney Cancer Panel, Liver Cancer Panel, Lymphoma Cancer Panel, Melanoma Panel, Prostate Panel

Comprehensive Tumor Panel

Gene list: AKT3, ALK, APC, AR, ARID1A, ATM, ATR, BAP1, BARD1, BCL2, BCL6, BRAF, BRCA1, BRCA2, BRIP1, BTK, CARD11, CCND1, CCND2, CCND3*, CCNE1*, CD79A*, CD79B, CDH1, CDK12, CDK4, CDK6, CDKN2A, CEBPA*, CHEK1, CHEK2*, CREBBP*, CSF1R, CTNNA1, DDR2, DNMT3A*, EGFR, EP300, ERBB2, ERBB3, ERBB4, ERCC1, ERCC2, ERG, ESRR1, EZH2, FAM175A, FANCI, FANCL, FBXW7, FGF1, FGF10, FGF14, FGF19, FGF2, FGF23, FGF3, FGF4*, FGF5, FGF6, FGF7, FGF8*, FGF9, FGFR1, FGFR2, FGFR3*, FGFR4, FLT1, FLT3, FOXL2, GNAI1, GNAQ, GNAS*, HNF1A, HRAS, IDH1, IDH2, INPP4B, JAK2, JAK3, KDR, KIT, KRAS*, LAMP1, MAP2K1, MAP2K2, MCL1, MDM2, MDM4, MET, MLH1, MLL*, MLLT3, MPL, MRE11A, MSH2, MSH3, MSH6, MTOR, MUTYH, MYC, MYCL1, MYCN*, MYD88, NBN, NFI, NOTCH1*, NOTCH2, NOTCH3*, NPM1, NRAS, NRG1, PALB2, PDGFRA, PDGFRB, PIK3CA, PIK3CB, PIK3CD, PIK3CG, PIK3R1, PMS2, PPP2R2A, PTCH1, PTEN, PTPN11, RAD51, RAD51B, RAD51C, RAD51D, RAD54L, RAF1, RB1, RET, RICTOR, ROS1, RPS6KB1, SLX4, SMAD4, SMARCB1, SMO, SRC, STK11, TERT, TET2, TFRC, TP53, TSC1, TSC2, VHL, XRCC2*

Short oncology panel

NRAS G12, G13, Q61, K117, A146; KRAS G12, G13, Q61, K117, A146; BRAF V600 EGFR Exons: 18, 19, 20, 21; PIK3CA Exons: 1, 9, 20

2. HEMATOLOGY PANELS

Myeloid Malignancies Panel

ASXL1, BCOR, BCORL1, BRAF*, BRCC3, CALR*, CBL*, CEBPA, CSF1R*, CSF3R*, DDX41*, DNMT3A, ETV6*, EZH2, FLT3 TKD*, FLT3_ITD*, GATA2*, GNAS*, GNB1*, IDH1*, IDH2*, JAK2*, KDM6A, KIT*, KRAS*, MPL*, NFI, NPM1*, NRAS*, PDSSB, PHF6, PPM1D*, PTPN11*, RAD21, RUNX1, SETBP1*, SF3B1*, SMC1A*, SMC3, SRSF2*, STAG2, TET2, TP53, U2AF1*, WT1, ZNF687*, ZRSR2*

Diffuse Large B-Cell Lymphoma Panel

Gene list: ACTB, ACTG1, ANKRD11, ARID1A, ARID1B, B2M, BCL10, BCL2, BCL6, BCL7A, BCOR, BTG1, BTG2, C4B_2, CARD11, CCND3, CD58, CD70, CD79B, CIITA, CREBBP, DAZAP1, DTX1, DUSP2, EP300, EBF1, ETS1, EZH2, FAS, FOXO1, GNAI3, GNAI2, GRHR, HLA-A, HLA-B, HLA-C, HIST1H1B, HIST1H1C, HIST1H1D, HIST1H2AC, HIST1H2AM, HIST1H1E, ITPKB, IRF2BP2, IRF4, IRF8, KLHL14, KLHL6, KLF2, KMT2D, LTB, MEF2B, MPEG1, MYC, MYD88, NFKB1E, NOTCH2, OSBP1L0, P2RY8, PAX5, PIM1, PIM2, PLEC, PRDM1, SETD1B, SGK1, SOCS1, SPEN, STAT3, TBL1XR1, TET2, TMSB4X, TNFAIP3, TNFRSF14, TOX, TP53, TRIOBP, TTN, UBE2A, VMP1, WDFY4, ZC3H12A, ZEB2, ZFP36L1

B-cell Clonality Panel

3. CUSTOM TAILORED PANELS

4. BIOINFORMATIC ANALYSIS PIPELINE

