

SureSeq Pan-Myeloid Panel : 対象遺伝子領域

| Gene | Exons | Gene | Exons | Gene | Exons | Gene | Exons | Gene | Exons | Gene | Exons | Gene | Exons |
|---------------|-------|---------------|-------|--------------|----------|--------------|------------------|---------------|--------------------|---------------|----------|---------------|-------|
| <i>ABL1</i> | All | <i>CEBPA</i> | All | <i>ETNK1</i> | All | <i>IDH1</i> | 4 | <i>KRAS</i> | 2,3 | <i>PHF6</i> | All | <i>SRSF2</i> | 1 |
| <i>ASXL1</i> | 12 | <i>CHEK2</i> | All | <i>ETV6</i> | All | <i>IDH2</i> | 4,5 | <i>MPL</i> | 10 | <i>PLCG2</i> | 19,20,24 | <i>STAG2</i> | All |
| <i>BCOR</i> | All | <i>CREBBP</i> | All | <i>EZH2</i> | All | <i>IKZF1</i> | All | <i>MYD88</i> | 3,5 | <i>PPM1D</i> | All | <i>STAT3</i> | 19-21 |
| <i>BCORL1</i> | All | <i>CSF3R</i> | 14-17 | <i>FBXW7</i> | 9-11 | <i>IRF1</i> | All | <i>NF1</i> | All | <i>PTEN</i> | All | <i>STAT5B</i> | 16 |
| <i>BIRC3</i> | All | <i>CTNNA1</i> | All | <i>FLT3</i> | 13-15,20 | <i>JAK1</i> | All | <i>NFE2</i> | All | <i>PTPN11</i> | 3,13 | <i>TET2</i> | 3-11 |
| <i>BRAF</i> | 15 | <i>CUX1</i> | All | <i>GATA1</i> | All | <i>JAK2</i> | 12,14 | <i>NOTCH1</i> | 26-28, 34,3'UTR | <i>RAD21</i> | All | <i>TP53</i> | All |
| <i>BTK</i> | 15 | <i>CXCR4</i> | All | <i>GATA2</i> | 2-6 | <i>JAK3</i> | All | <i>NPM1</i> | 12 | <i>RUNX1</i> | All | <i>U2AF1</i> | 2,6 |
| <i>CALR</i> | 9 | <i>DDX41</i> | All | <i>GNAS</i> | 8-10 | <i>KIT</i> | 2,8-11, 13,17 | <i>NRAS</i> | 2,3 | <i>SETBP1</i> | 4 | <i>WT1</i> | 7,9 |
| <i>CBL</i> | 8,9 | <i>DNMT3A</i> | All | <i>GNB1</i> | 5-6 | <i>KMT2A</i> | All | <i>PAX5</i> | All | <i>SF3B1</i> | 13-16 | <i>XPO1</i> | All |
| <i>CDKN2A</i> | All | <i>EP300</i> | All | <i>HRAS</i> | All | <i>KMT2C</i> | All | <i>PDGFRA</i> | All | <i>SH2B3</i> | All | <i>ZRSR2</i> | All |

※上記の70遺伝子の主要な領域と4つの性染色体遺伝子を解析します。

SureSeq Pan-Myeloid Panel : 製品概要

| | |
|----------------------------------|---|
| Application | Haematology |
| Areas of interest | Myeloid |
| Panel Size | 221 kb |
| Gene Targets | 70 myeloid genes and 4 gender marker genes |
| Aberration Types | SNV, indel, ITD, PTD |
| Mean target coverage | >1000x |
| Coverage uniformity | >98% of bases at >20% of mean target coverage |
| DNA input recommended | >500ng high quality DNA |
| Limit of detection | Capable of detecting SNVs/indels: 1% VAF |
| Samples per MiSeq® v2 run | 8 samples/run |

SureSeq Pan-Myeloid Panel : 製品情報

| Product | Contents | Cat. No. |
|---|---|-----------|
| SureSeq Pan-Myeloid Complete NGS Workflow Solution (24) | Bundle of Enrichment baits sufficient for 3 pools of 8 samples; 1x Universal NGS Library Preparation Kit (24), containing PCR primers and enzymes, 1x Universal NGS Index Adapter Kit (24), 1x Universal NGS Hyb & Wash Kit (24), 1x Universal NGS Bead Kit (24) | 780003-24 |
| SureSeq Pan-Myeloid Complete NGS Workflow Solution (96) | Bundle of Enrichment baits sufficient for 12 pools of 8 samples; 1x Universal NGS Library Preparation Kit (96), containing PCR primers and enzymes, 1x Universal NGS Index Adapter Kit (96), 1x Universal NGS Hyb & Wash Kit (96), 1x Universal NGS Bead Kit (96) | 780003-96 |
| SureSeq Pan-Myeloid Panel (24 reactions) | Enrichment baits sufficient for 3 pools of 8 samples; Interpret Software | 770003-24 |
| SureSeq Pan-Myeloid Panel (96 reactions) | Enrichment baits sufficient for 12 pools of 8 samples; Interpret Software | 770003-96 |
| Universal NGS Workflow Solution (24) | Bundle of 1x Universal NGS Library Preparation Kit (24), containing PCR primers and enzymes, 1x Universal NGS Index Adapter Kit (24), 1x Universal NGS Hyb & Wash Kit (24), 1x Universal NGS Bead Kit (24) | 770500-24 |
| Universal NGS Workflow Solution (96) | Bundle of 1x Universal NGS Library Preparation Kit (96), containing PCR primers and enzymes, 1x Universal NGS Index Adapter Kit (96), 1x Universal NGS Hyb & Wash Kit (96), 1x Universal NGS Bead Kit (96) | 770500-96 |

※パネルとライブラリ調製試薬の両方が含まれる製品（Complete Solution）とパネルとライブラリ調製試薬（Universal NGS Workflow Solution）を別々にご購入いただける製品がございます。