

Ion AmpliSeq™ Liverpool Lymphoid Network Panel

A next-generation sequencing (NGS) community panel designed by leading clinical researchers for more complete lymphoid genomic profiling



Fast and simple workflows with minimal hands-on time

Get results in as little as one day with simple automated workflows and integrated analysis



Comprehensive panel design

Simultaneously profile key DNA mutations relevant for T cell and B cell lymphomas, leukemias, and other lymphoproliferative neoplasms



Verified performance

Reliably detect important variants using a panel designed and tested by community users with real-world clinical research samples



Community network

Access a community network of labs and contribute to future iterations of the panel design



Ion AmpliSeq panel design includes:

- 60 key DNA targets
- Coverage of the 3' untranslated region of *NOTCH1*
- Noncoding exon 1 and partial intron 1 of *BCL6*
- Compatibility with blood, bone marrow, and formalin-fixed paraffin-embedded research sample types

DNA panel

Essential exons (36)			Full coding sequence (24)	
<i>BCL6</i>	<i>EZH2</i>	<i>NRAS</i>	<i>ARID1A</i>	<i>NFKBIE</i>
<i>BIRC3</i>	<i>FAS</i>	<i>PLCG2</i>	<i>ATM</i>	<i>PAX5</i>
<i>BRAF</i>	<i>FBXW7</i>	<i>POT1</i>	<i>B2M</i>	<i>PIM1</i>
<i>BTK</i>	<i>FOXO1</i>	<i>RHOA</i>	<i>BCL2</i>	<i>PRDM1</i>
<i>CARD11</i>	<i>HRAS</i>	<i>RPS15</i>	<i>CDKN2A</i>	<i>PTEN</i>
<i>CCND1</i>	<i>IDH2</i>	<i>SF3B1</i>	<i>CREBBP</i>	<i>SAMHD1</i>
<i>CCND3</i>	<i>IRF4</i>	<i>SMARCA4</i>	<i>DIS3</i>	<i>SGK1</i>
<i>CD79B</i>	<i>KRAS</i>	<i>STAT3</i>	<i>GNA13</i>	<i>SOCS1</i>
<i>CXCR4</i>	<i>MAP2K1</i>	<i>STAT5B</i>	<i>ID3</i>	<i>TENT5C</i>
<i>DNMT3A</i>	<i>MYD88</i>	<i>STAT6</i>	<i>KMT2D</i>	<i>TET2</i>
<i>EP300</i>	<i>NOTCH1</i>	<i>TNFRSF14</i>	<i>MEF2B</i>	<i>TNFAIP3</i>
<i>ETV6</i>	<i>NOTCH2</i>	<i>XPO1</i>	<i>MYC</i>	<i>TP53</i>

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System

and



Ion Chef™ + Ion GeneStudio™
S5 systems