Lymphoid Profile

PierianDx

Advanced Standard of Care

Lymphoid testing uses Next Generation Sequencing (NGS) to gain insights into the driving mechanisms of an individual patient's hematological malignancy.

Patients with hematologic malignancies who may benefit the most are:

- Patients with morphologic and/or clinical suspicion of a lymphoid disease
- Relapsed or refractory patients
- Patients who present with atypical disease based on age and other clinical factors
- Any acute, transformed or blast phase disease

Diagnostic, Predictive, Prognostic, Therapeutic

All hematologic cancers are genomic diseases fueled by molecular alterations – each with their own unique genomic profile. Utilizing this profile within the continuum of care enables physicians to individualize treatment by providing important prognostic stratification and potentially matching a patient with the most effective therapy or trial—creating personalized, more precise cancer management.

- 61 genes specifically involved in lymphoid malignancies
- Rapid turnaround time of 7 to 10 days, critical in acute cases• Relapsed or refractory patients

About Gateway

PierianDx's Gateway Lab Services allows you to access and customize a range of assays right out of the box. This service delivers clinically validated Next-Generation Sequencing (NGS) tests for a range of cancers and inherited diseases. Gateway Lab Services allows you to:

- **Enhance your brand** by making personalized medicine your competitive advantage
- **Ease transition** into fully-integrated NGS lab capabilities
- **Expend no capital outlay** to get started
- **Provide speed to market** – you focus on your long-term NGS testing strategy while we help you implement today

Specimen Requirements

2.5mL peripheral blood or bone marrow aspirate in a EDTA lavender-top tube

Turnaround Time

5 - 7 days from specimen receipt

For more information, visit: pieriandx.com | info@pieriandx.com | 77 Maryland Plaza, St. Louis, Missouri 63108

Lymphoid Profile

PierianDx

Tailored Genomic Lymphoid Profile

Gene Name	Sequencing Region
AKT1	Codons 17, 32-52
ALK	Codons 542, 1152-1278
ATM	All protein coding regions plus splice sites
B2M	Codons 1-5
BCL2	Codons 7-20, 57-60, 129-135
BCL6	Codons 587-615
BCOR	All protein coding regions plus splice sites
BIRC3	Codon 123
BRAF	Codons 464-472, 581-602
BTK	Codons 1-47, 175-196, 281-298, 327-367, 426-450, 463-522
CALR	Exon 9
CARD11	Codons 230-251
CCND3	Codons 260-289
CD79A	Codons 167-214
CD79B	Codon 196
CDKN2A	All protein coding regions plus splice sites
CREBBP	All protein coding regions plus splice sites
CRLF2	All protein coding regions plus splice sites
CTNNB1	Codons 23-66
DDX3X	Codons 330-341, 410-411
DNMT3A	All protein coding regions plus splice sites
EP300	Codons 1625-1639
FBXW7	Exons 7-11 (Codons 297-332, 450-468, 478-525, 576-618)
ID3	Codon 56
IDH1	Codon 132
IDH2	Codons 140, 172
IL7R	Codons 237-245
JAK1	Codons 652-658
JAK2	Exons 12-14
JAK3	Codons 501-511, 572-576, 657
KMT2A	Exons 4-8, Codons 2462, 3440 (Exon 27)

Gene Name	Sequencing Region
KMT2D	All protein coding regions plus splice sites
KRAS	Codons 12-13, 61, 117, 146
MAP2K1	Codons 56-67, 121-124
MEF2B	Codons 77-81
MPL	Codons 490-522
MYD88	Exons 3, 4, 5 (Codons 219-220, 265)
NOTCH1	Codons 1574-1578, 1585-1607, 1674-1680, 2438-2444, 2459-2467, 2492-2503, 2512-2523
NOTCH2	Codon 2400
NPM1	Codons 287-292
NRAS	Codons 12-13, 61, 117, 146
PAX5	Codons 75-80
PHF6	All protein coding regions plus splice sites
PIK3CA	Codons 88, 539-549, 1020-1025, 1043-1049
PIM1	Codons 1-16, 28-56, 68-171, 210-251
PIM2	Codons 199-232, 270-312
PLCG2	Codons 161-188, 256-322, 330-355, 496-519, 526-569, 646-676, 686-724, 746-769, 864-908, 961-1005
PTPN11	Codons 60-76, 502-503
RHOA	Exon 1
RUNX1	All protein coding regions plus splice sites
SF3B1	Exons 13-16
STAT3	Codons 640-661
STAT5A	All protein coding regions plus splice sites
STK11	Codons 36-37, 60-66, 170-171, 194-199, 281-282, 354
SYK	"Codons 67-116, 306-372, 395-407, 426-463, 534-574
TET2	All protein coding regions plus splice sites
TNFAIP3	All protein coding regions plus splice sites
TP53	All protein coding regions plus splice sites
TRAF3	Codon 118
XPO1	Codon 571