

# Technical Product Report

*For Research Use Only; Not for use in Diagnostic Procedures*

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |                  |             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|
| Product Description:       | SeraSeq® Lymphoma DNA Mutation Mix                                                                                                                                                                                                                                                                                                                                                |                  |             |
| Material Number:           | 0710-2203                                                                                                                                                                                                                                                                                                                                                                         | Batch Number:    | 10755740    |
| Material Description:      | A genomic DNA mutation mix of 26 genes typically profiled by targeted NGS assays blended to a background of gDNA extracted from GM24385 (WT) human reference cell line.                                                                                                                                                                                                           |                  |             |
| Concentration:             | Nominal value: 15 ng/μL<br>Average measured value: 17.6 ng/μL                                                                                                                                                                                                                                                                                                                     |                  |             |
| Concentration Test Method: | Qubit ds DNA BR Assay                                                                                                                                                                                                                                                                                                                                                             |                  |             |
| dPCR Test Method:          | Variant and Wild-type specific PCR assays run on the BioRad QX-200 digital PCR system. Values shown in the table represent the variant allele frequency and are the result of triplicate testing.                                                                                                                                                                                 |                  |             |
| NGS Assay Test Method:     | 250 ng of the mix was analyzed in triplicate using a custom ArcherDX VariantPlex panel and default Archer analysis 6.2.2 settings were used for SNV and indel calls. For translocations, allele frequency was calculated by dividing the number of observations of the translocation by the sum of observations of the translocation and the breakpoints of the two normal genes. |                  |             |
| Fill Volume:               | 25 μL                                                                                                                                                                                                                                                                                                                                                                             |                  |             |
| Date of Manufacture:       | 28-APR-2025                                                                                                                                                                                                                                                                                                                                                                       | Expiration Date: | 07-JUL-2027 |
| Storage:                   | -20°C                                                                                                                                                                                                                                                                                                                                                                             |                  |             |

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| Variant        | Variant Type  | % Allele Frequency (dPCR) | % Allele Frequency (NGS) |
|----------------|---------------|---------------------------|--------------------------|
| NPM1-ALK       | Translocation | 7.6                       | 8.2                      |
| HSP90AA1-BCL6  | Translocation | 9.0                       | 11.9                     |
| CCND1-CDC42BPB | Translocation | 7.6                       | 6.8                      |
| BIRC3-MALT1    | Translocation | 8.1                       | 7.7                      |
| MYC-IGH        | Translocation | 9.5                       | 4.1                      |
| TBL1XR1-TP63   | Translocation | 7.8                       | 11.7                     |

| Gene   | COSMIC ID   | Nucleic Acid change | Amino Acid Change | % Allele Frequency (dPCR) | % Allele Frequency (NGS) |
|--------|-------------|---------------------|-------------------|---------------------------|--------------------------|
| BCL2   | COSM5653732 | c.302G>C            | p.G101A           | 8.9                       | 8.8                      |
| BRAF   | COSM476     | c.1799T>A           | p.V600E           | 9.3                       | 8.0                      |
| CXCR4  | COSM5981986 | c.1013C>G           | p.S338X           | 7.9                       | 7.0                      |
| CXCR4  | COSM5981985 | c.1013C>A           | p.S338X           | 8.2                       | 7.8                      |
| DNMT3A | COSM52944   | c.2645G>A           | p.R882H           | 8.2                       | 8.5                      |
| EZH2   | COSM85769   | c.1922A>T           | Y641F             | 8.2                       | 8.9                      |
| IDH2   | COSM33733   | c.515G>A            | p.R172K           | 8.7                       | 8.8                      |
| MYD88  | COSM85940   | c.794T>C            | p.L265P           | 8.4                       | 7.3                      |
| NOTCH1 | COSM12774   | c.7541_7542del      | p.P2514Rfs*4      | 8.1                       | 8.7                      |
| NOTCH2 | COSM36210   | c.7198C>T           | p.R2400*          | 8.6                       | 8.6                      |
| RHOA   | COSM78415   | c.50G>T             | p.G17V            | 7.8                       | 8.8                      |
| SF3B1  | COSM133591  | c.2098A>G           | p.K700E           | 9.0                       | 8.6                      |
| STAT3  | COSM1155743 | c.1919A>T           | p.Y640F           | 8.4                       | 7.7                      |
| STAT3  | COSM1155730 | c.1982A>T           | p.D661V           | 8.2                       | 6.9                      |
| STAT3  | COSM1155744 | c.1940A>T           | p.N647I           | 7.8                       | 6.1                      |
| STAT5B | COSM1716592 | c.1994A>T           | p.Y665F           | 7.7                       | 7.7                      |
| STAT5B | COSM1716590 | c.1924A>C           | p.N642H           | 7.7                       | 7.3                      |
| TP53   | COSM10662   | c.743G>A            | p.R248Q           | 8.8                       | 10.3                     |
| TP53   | COSM43974   | c.820del            | p.V274Ffs*71      | 8.9                       | 9.6                      |
| TP53   | COSM10660   | c.818G>A            | p.R273H           | 9.0                       | 8.5                      |

Approval:



Prepared By

29 Apr 2025

Date