

# Technical Product Report

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

|                                                     |                                                                                                                                                                                             |                  |             |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|
| Product Description:                                | SeraSeq® Myeloid Mutation DNA Mix                                                                                                                                                           |                  |             |
| Material Number:                                    | 0710-0408                                                                                                                                                                                   | Batch Number:    | 10742340    |
| Material Description:                               | A multiplexed mixture of biosynthetic DNA targets with clinically relevant mutations precisely blended with a single, well-characterized genomic background at 15%, 10% or 5% allelic ratio |                  |             |
| Nominal Concentration:                              | 15 ng/μL                                                                                                                                                                                    |                  |             |
| Avg Measured Concentration:<br>(Qubit dsDNA BR kit) | 19.6 ng/μL                                                                                                                                                                                  |                  |             |
| Fill Volume:                                        | 25 μL                                                                                                                                                                                       |                  |             |
| Date of Manufacture:                                | 22-APR-2025                                                                                                                                                                                 | Expiration Date: | 22-APR-2029 |
| Test Methods:                                       | Digital PCR (dPCR) using BioRad QX200™ Droplet Digital™ PCR System<br><br>NGS using ArcherDx VariantPlex® Core Myeloid Kit, on ILMN MiSeq NGS System                                        |                  |             |

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Product Description: Seraseq® Myeloid Mutation DNA Mix

| Gene ID | HGVS                                                     | Protein                     | COSMIC ID | VAF Target (%) | VAF by dPCR (%) | VAF by NGS (%) |
|---------|----------------------------------------------------------|-----------------------------|-----------|----------------|-----------------|----------------|
| CALR    | c.1099_1150del                                           | p.L367fs*46                 | 1738055   | 5              | 4.8             | 4.6            |
| CSF3R   | c.1853C>T                                                | p.T618I                     | 1737962   | 5              | 4.9             | 4.2            |
| FLT3    | c.1759_1800dup                                           | p.N600_L601_insNEYVDFREYEYD | NA        | 5              | 5.0             | 0.0            |
| IDH1    | c.394C>T                                                 | p.R132C                     | 28747     | 5              | 5.0             | 2.6            |
| JAK2    | c.1849G>T                                                | p.V617F                     | 12600     | 5              | 4.8             | 3.6            |
| MPL     | c.1544G>T                                                | p.W515L                     | 18918     | 5              | 5.0             | 3.7            |
| NPM1    | c.860_863dup                                             | p.W288fs*12                 | 17559     | 5              | 4.1             | 1.0            |
| SF3B1   | c.2098A>G                                                | p.K700E                     | 84677     | 5              | 4.1             | 4.4            |
| SF3B1   | c.1998G>T                                                | p.K666N                     | 131557    | 5              | 4.1             | 4.1            |
| SRSF2   | c.284_307del                                             | p.P95_R102del               | 146289    | 5              | 4.5             | 6.9            |
| ABL1    | c.944C>T                                                 | p.T315I                     | 12560     | 10             | 9.3             | 10.4           |
| ASXL1   | c.1900_1922del                                           | p.E635fs*15                 | 36165     | 10             | 9.1             | 7.7            |
| ASXL1   | c.1934dup                                                | p.G646fs*12                 | 34210     | 10             | 8.3             | 7.8            |
| BRAF    | c.1799T>A                                                | p.V600E                     | 476       | 10             | 9.3             | 9.0            |
| CBL     | c.1139T>C                                                | p.L380P                     | 34055     | 10             | 8.8             | 10.0           |
| CBL     | c.1259G>A                                                | p.R420Q                     | 34077     | 10             | 8.8             | 8.3            |
| FLT3    | c.1806_1807insGGGGC<br>TTTCAGAGAATATGAA<br>TATGATCTCAAA) | K602_W603insGAFRE<br>YEYDLK | NA        | 10             | 8.4             | 0.4            |
| FLT3    | c.2503G>T                                                | p.D835Y                     | 783       | 10             | 9.7             | 8.3            |
| JAK2    | c.1624_1629del                                           | p.N542_E543del              | 24440     | 10             | 12.1            | 7.8            |
| MYD88   | c.794T>C                                                 | p.L265P                     | 85940     | 10             | 9.3             | Not assayed    |
| U2AF1   | c.101C>T                                                 | p.S34F                      | 166866    | 10             | 9.0             | 8.3            |
| CEBPA   | c.68dup                                                  | p.H24fs*84                  | 18922     | 15             | NA*             | 10.3           |
| CEBPA   | c.937_939dup                                             | p.K313_V314insK             | 18099     | 15             | NA*             | 11.5           |

*\*Not assessed by dPCR, but confirmed by NGS (ArcherDx VariantPlex Core Myeloid)*

Approval:



Prepared By

07-MAY-2025

Date