

Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

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|---|---|------------------|-------------|
| Product Description: | Seraseq® Myeloid Mutation DNA Mix | | |
| Material Number: | 0710-0408 | Batch Number: | 10611227 |
| 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: (Qubit dsDNA BR kit) | 20.6 ng/μL | | |
| Fill Volume: | 25 μL | | |
| Date of Manufacture: | 03 MAR 2022 | Expiration Date: | 03 MAR 2024 |
| Test Methods: | Digital PCR (dPCR) using BioRad QX200™ Droplet Digital™ PCR System NGS using ArcherDx VariantPlex® Core Myeloid Kit, on ILMN MiSeq NGS System | | |

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| Gene ID | HGVS | Protein | COSMIC ID | VAF Target (%) | VAF by dPCR (%) | VAF by NGS (%) |
|---------|--|-----------------------------|-----------|----------------|-----------------|----------------|
| CALR | c.1099_1150del | p.L367fs*46 | 1738055 | 5 | 4.6 | 5.1 |
| CSF3R | c.1853C>T | p.T618I | 1737962 | 5 | 4.8 | 5.7 |
| FLT3 | c.1759_1800dup | p.N600_L601_insNEYVDFREYEYD | NA | 5 | 4.8 | 1.8 |
| IDH1 | c.394C>T | p.R132C | 28747 | 5 | 5.3 | 3.7 |
| JAK2 | c.1849G>T | p.V617F | 12600 | 5 | 5.2 | 4.3 |
| MPL | c.1544G>T | p.W515L | 18918 | 5 | 4.7 | 4.1 |
| NPM1 | c.860_863dup | p.W288fs*12 | 17559 | 5 | 4.3 | 1.1 |
| SF3B1 | c.2098A>G | p.K700E | 84677 | 5 | 4.2 | 4.0 |
| SF3B1 | c.1998G>T | p.K666N | 131557 | 5 | 4.2 | 3.9 |
| SRSF2 | c.284_307del | p.P95_R102del | 146289 | 5 | 4.6 | 7.1 |
| ABL1 | c.944C>T | p.T315I | 12560 | 10 | 7.4 | 11.2 |
| ASXL1 | c.1900_1922del | p.E635fs*15 | 36165 | 10 | 8.7 | 8.1 |
| ASXL1 | c.1934dup | p.G646fs*12 | 34210 | 10 | 8.3 | 9.0 |
| BRAF | c.1799T>A | p.V600E | 476 | 10 | 9.7 | 9.24 |
| CBL | c.1139T>C | p.L380P | 34055 | 10 | 9.0 | 10.5 |
| CBL | c.1259G>A | p.R420Q | 34077 | 10 | 9.0 | 9.9 |
| FLT3 | c.1806_1807insGGGGC TTTCAGAGAATATGAA TATGATCTCAAA) | K602_W603insGAFRE YEYDLK | NA | 10 | 8.1 | 0.7 |
| FLT3 | c.2503G>T | p.D835Y | 783 | 10 | 9.7 | 9.3 |
| JAK2 | c.1624_1629del | p.N542_E543del | 24440 | 10 | 11.6 | 7.8 |
| MYD88 | c.794T>C | p.L265P | 85940 | 10 | 9.1 | Not assayed |
| U2AF1 | c.101C>T | p.S34F | 166866 | 10 | 8.5 | 8.3 |
| CEBPA | c.68dup | p.H24fs*84 | 18922 | 15 | NA* | 12.1 |
| CEBPA | c.937_939dup | p.K313_V314insK | 18099 | 15 | NA* | 10.8 |

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

Approval:



09 MAR 2022

Prepared By

Date