

# Technical Product Report

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

|                                                      |                                                                                                                                                        |                  |             |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|
| Product Description                                  | Seraseq® ctDNA Prostate Mix WT                                                                                                                         |                  |             |
| Material Number:                                     | 0710-3327                                                                                                                                              | Batch Number:    | 10820075    |
| Material Description:                                | A ctDNA-like mixture of human genomic DNA from the reference cell line, GM24385                                                                        |                  |             |
| Fill Volume:                                         | 25 µL                                                                                                                                                  |                  |             |
| Date of Manufacture:                                 | 11 AUG 2026                                                                                                                                            | Expiration Date: | 11 AUG 2030 |
| Storage:                                             | -20°C                                                                                                                                                  |                  |             |
| Concentration                                        | Nominal value: 10 ng/µL                                                                                                                                |                  |             |
| (Qubit dsDNA BR Assay):                              | Average measured value: 12.4 ng/µL                                                                                                                     |                  |             |
| Average fragment size                                | 207 bp                                                                                                                                                 |                  |             |
| (Agilent Bioanalyzer High Sensitivity DNA Analysis): |                                                                                                                                                        |                  |             |
| Acceptance criteria for average fragment size:       | 150 – 220 bp                                                                                                                                           |                  |             |
| NGS Assay Test Method:                               | Illumina TruSight Oncology 500 ctDNA panel sequenced on a NovaSeq 6000. The total read pairs for the sample was >800M and the read depth was >35,000X. |                  |             |

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| Structural Variant | % Allele Frequency (NGS) | Gene  | Total Copies (NGS) |
|--------------------|--------------------------|-------|--------------------|
| TMPRSS2-ERG        | ND                       | CCDN1 | ND                 |
| SLC45A3-ETV1       | ND                       | MYC   | ND                 |

| Gene   | Nucleic Acid Change          | Amino Acid Change | % Allele Frequency (NGS) |
|--------|------------------------------|-------------------|--------------------------|
| APC    | c.4348C>T                    | p.R1450*          | ND                       |
| APC    | c.4666dup                    | p.T1556fs         | ND                       |
| AR     | c.2105T>A                    | p.L702H           | ND                       |
| AR     | c.2623C>T                    | p.H875Y           | ND                       |
| AR     | c.2632A>G                    | p.T878A           | ND                       |
| ATM    | c.2543_2571del               | p.E848fs          | ND                       |
| ATR    | c.2320dup                    | p.I774fs          | ND                       |
| BARD1  | c.1600_1634delinsGCG         | p.T534fs          | ND                       |
| BRAF   | c.1799T>A                    | p.V600E           | ND                       |
| BRCA1  | c.3481_3491del               | p.E1161fs         | ND                       |
| BRCA2  | c.1813dup                    | p.I605fs          | ND                       |
| BRCA2  | c.8954-8_9136del             | Deletion          | ND                       |
| BRIP1  | c.2392C>T                    | p.R798*           | ND                       |
| CDK12  | c.4382del                    | p.G1461fs         | ND                       |
| CDKN2A | c.9_32dup                    | p.A4_P11dup       | ND                       |
| CHEK1  | c.676del                     | p.T226fs          | N/A                      |
| CHEK2  | c.1116_1117delinsGT          | p.K373*           | ND                       |
| FANCA  | c.2778+1G>A                  | Unknown           | ND                       |
| FANCL  | c.1096_1099dup               | p.T367fs          | ND                       |
| KIT    | c.2361+67_2361+72delTTTTTT   | MSI BAT-25        | N/A                      |
| KRAS   | c.34G>T                      | p.G12C            | ND                       |
| MAP4K3 | c.998-35_998-30delAAAAAA     | MSI MONO-27       | N/A                      |
| MAP4K3 | c.246-2475_246-2470delTTTTTT | MSI MONO-27       | N/A                      |
| MLH1   | c.1852_1854del               | p.K618del         | ND                       |
| MRE11  | c.1100_1131del               | p.Val367fs        | N/A                      |
| MSH2   | c.942+3A>T                   | COSM26123         | ND                       |
| MSH2   | c.942+20_942+29delAAAAAAAAAA | MSI BAT-26        | N/A                      |
| MSH6   | c.3261dup                    | p.F1088fs         | ND                       |
| NBN    | c.1396del                    | p.R466fs          | ND                       |
| PALB2  | c.1059_1077delinsGG          | p.S354fs          | ND                       |
| PIK3CA | c.3140A>G                    | p.H1047R          | ND                       |

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| Gene   | Nucleic Acid Change                       | Amino Acid Change | % Allele Frequency (NGS) |
|--------|-------------------------------------------|-------------------|--------------------------|
| PIK3R1 | c.1727_1729del                            | p.T576del         | ND                       |
| PMS2*  | c.2243_2246del; c.2253T>C                 | p.K748fs          | ND                       |
| PTEN   | c.741dup                                  | p.P248fs          | ND                       |
| PTEN   | c.800del                                  | p.K267fs          | ND                       |
| RAD51B | c.321dup                                  | p.G108fs          | ND                       |
| RAD51C | c.706-2A>G                                | Unknown           | ND                       |
| RAD51D | c.694_715delinsTGAGAGCTGAAGACC<br>CTGGCCT | p.R232*           | ND                       |
| RAD54L | c.636_637dup                              | p.K213fs          | ND                       |
| RB1    | c.751C>T                                  | p.R251*           | ND                       |
| SLC7A8 | c.-231_-224delTTTTTTTT                    | MSI NR-21         | N/A                      |
| SPOP   | c.44_47dup                                | p.P17fs           | ND                       |
| TP53   | c.743G>A                                  | p.R248Q           | ND                       |
| ZNF2   | c.*1525_*1530delTTTTTT                    | MSI NR-24         | N/A                      |

NA = not applicable; NGS assay does not cover specified variant.

ND = not detected; NGS assay did not reveal specified variant above 0.1%.

\*The construct for the PMS2 variant also contains a synonymous single nucleotide change (c.2253T>C).

## Approval:

Prepared By



19 AUG 2026

Date