

## SureFISH and CISH Probes

Agilent's unique SureFISH and CISH DNA probes are designed in silico and chemically synthesized using Agilent's high-fidelity, oligonucleotide library synthesis (OLS) technology.

### SureFISH - Red and green FISH probes combined in a single tube

These SureFISH probes consist of a mix of two child probes (3' and 5' probes), each labeled in a different color (Cy3 and FITC) and designed to target a given gene. The probes are available in break-apart and dual-fusion format and supplied in vials of 5 µL, 20 µL or 200 µL.

| Target    | Probe Type  | Part No.    | Description                | Volume                |        |
|-----------|-------------|-------------|----------------------------|-----------------------|--------|
| ALK       | Break Apart | G111200     | SureFISH ALK BA P5         | 5 µL                  |        |
|           |             | G111400     | SureFISH ALK BA P20        | 20 µL                 |        |
|           |             | G111900     | SureFISH ALK BA P200       | 200 µL                |        |
|           | ROS1        | Break Apart | G111201                    | SureFISH ROS1 BA P5   | 5 µL   |
|           |             |             | G111401                    | SureFISH ROS1 BA P20  | 20 µL  |
|           |             |             | G111901                    | SureFISH ROS1 BA P200 | 200 µL |
|           | RET         | Break Apart | G111202                    | SureFISH RET BA P5    | 5 µL   |
|           |             |             | G111402                    | SureFISH RET BA P20   | 20 µL  |
|           |             |             | G111902                    | SureFISH RET BA P200  | 200 µL |
| MYC       | Break Apart | G111423     | SureFISH MYC BA P20        | 20 µL                 |        |
|           |             | G111923     | SureFISH MYC BA P200       | 200 µL                |        |
| BCL2      | Break Apart | G111421     | SureFISH BCL2 BA P20       | 20 µL                 |        |
|           |             | G111924     | SureFISH BCL2 BA P200      | 200 µL                |        |
| BCL6      | Break Apart | G111422     | SureFISH BCL6 BA P20       | 20 µL                 |        |
|           |             | G111925     | SureFISH BCL6 BA P200      | 200 µL                |        |
| CCND1     | Break Apart | G111443     | SureFISH CCND1 BA P20      | 20 µL                 |        |
|           |             | G111926     | SureFISH CCND1 BA P200     | 200 µL                |        |
| MALT1     | Break Apart | G111420     | SureFISH MALT1 BA P20      | 20 µL                 |        |
|           |             | G111927     | SureFISH MALT1 BA P200     | 200 µL                |        |
| IGH       | Break Apart | G111424     | SureFISH IGH BA P20        | 20 µL                 |        |
|           |             | G111928     | SureFISH IGH BA P200       | 200 µL                |        |
| IGH/MYC   | Dual Fusion | G111425     | SureFISH IGH MYC DF P20    | 20 µL                 |        |
|           |             | G111929     | SureFISH IGH MYC DF P200   | 200 µL                |        |
| IGH/BCL2  | Dual Fusion | G111426     | SureFISH IGH BCL2 DF P20   | 20 µL                 |        |
|           |             | G111930     | SureFISH IGH BCL2 DF P200  | 200 µL                |        |
| IGH/CCND1 | Dual Fusion | G111442     | SureFISH IGH CCND1 DF P20  | 20 µL                 |        |
|           |             | G111931     | SureFISH IGH CCND1 DF P200 | 200 µL                |        |

### CISH - EBER, Kappa and Lambda probes

Agilent's oligo-based CISH probes are conjugated with fluorescein isothiocyanate (FITC) and are designed to bind to Epstein-Barr Virus (EBV) nuclear RNAs and the immunoglobulin Kappa and Lambda light chain mRNA. The probes are supplied in vials of 200 µL.

| Target             | Probe Type     | Part No. | Description            | Volume |
|--------------------|----------------|----------|------------------------|--------|
| Kappa Light Chain  | mRNA detection | G111919  | Kappa mRNA CISH Probe  | 200 µL |
| Lambda Light Chain | mRNA detection | G111920  | Lambda mRNA CISH Probe | 200 µL |
| EBER1 and EBER2    | RNA detection  | G111921  | EBER RNA CISH Probe    | 200 µL |
| 28S                | RNA detection  | G111922  | 28S RNA CISH Probe     | 200 µL |

## SureFISH - Red or green probes in box of five individual tubes

These SureFISH probes consist of a single probe labeled with either Cy3 or FITC and designed to target a given gene. The probes are available in break-apart, dual fusion, or copy number format and supplied in a box of 5 x 20 µL vials.

| Target        | Probe Type  | Part No.    | Description                              | Volume                                |
|---------------|-------------|-------------|--|---------------------------------------|
| MAF - IGH     | Dual Fusion | G201929R    | SureFISH 16q23.2 MAF DF 604kb 20 RD5     | 20 µL x 5                             |
|               | Dual Fusion | G210995G    | SureFISH 14q32.33 IGH DF 1519kb P20 GR5  | 20 µL x 5                             |
| FGFR2 – CEP10 | Copy Number | G210981R    | SureFISH 10q26 FGFR2 360kb P20RDX5       | 20 µL x 5                             |
|               | Copy Number | G201959G    | SureFISH Chr10 CEP 676kb 20GRX5          | 20 µL x 5                             |
| FGFR1 – CEP8  | Copy Number | G201957R    | SureFISH 8p11 FGFR1 325kb 20RDX5         | 20 µL x 5                             |
|               | Copy Number | G201958G    | SureFISH Chr8 CEP 635kb 20GRX5           | 20 µL x 5                             |
| Met – CEP7    | Copy Number | G210994R    | SureFISH 7q31.2 MET 400kb P20 RD5        | 20 µL x 5                             |
|               | Copy Number | G201919G    | SureFISH Chr7 CEP 767kb 20GRx5           | 20 µL x 5                             |
| Her2 – CEP17  | Copy Number | G201936R    | SureFISH 17q12 HER2 191kb 20 RD5         | 20 µL x 5                             |
|               | Copy Number | G210993G    | SureFISH Chr17 CEP 436kb P20 GR5         | 20 µL x 5                             |
| RAI1          | Copy Number | G201922G    | SureFISH 17p11.2 RAI1 263kb 20GRX5       | 20 µL x 5                             |
| MDM2 – CEP12  | Copy Number | G201944R    | SureFISH 12q15 MDM2 180kb 20 RD5         | 20 µL x 5                             |
|               | Copy Number | G201945G    | SureFISH Chr12 CEP 704kb 20 GR5          | 20 µL x 5                             |
| DDIT3         | Break Apart | G210982G    | SureFISH 12q13 DDIT3 3' BA 537kb P20GRX5 | 20 µL x 5                             |
|               | Break Apart | G210983R    | SureFISH 12q14 DDIT3 5' BA 498kb P20RDX5 | 20 µL x 5                             |
| CDK4 – CEP12  | Copy Number | G210978R    | SureFISH 12q14.1 CDK4 308kb P20RDX5      | 20 µL x 5                             |
|               | Copy Number | G201945G    | SureFISH Chr12 CEP 704kb 20 GR5          | 20 µL x 5                             |
| SS18          | Break Apart | G201946G    | SureFISH 18q11.2 SS18 3' BA 616kb 20 GR5 | 20 µL x 5                             |
|               | Break Apart | G201947R    | SureFISH 18q11.2 SS18 5' BA 406kb 20 RD5 | 20 µL x 5                             |
| FOXO1         | Break Apart | G210986G    | SureFISH FOXO1 3' BA 600kb P20 GR5       | 20 µL x 5                             |
|               | Break Apart | G210987R    | SureFISH FOXO1 5' BA 601kb P20 RD5       | 20 µL x 5                             |
| EWSR1         | Break Apart | G201941R    | SureFISH EWSR1 3' BA 263kb 20 RD5        | 20 µL x 5                             |
|               | Break Apart | G201942G    | SureFISH EWSR1 5' BA 564kb 20 GR5        | 20 µL x 5                             |
| 1p/19q        | Copy Number | G201924G    | SureFISH 19p13.2 ZNF443 513kb 20 GR5     | 20 µL x 5                             |
|               | Copy Number | G201926R    | SureFISH 19q13.33 GLTSCR2 298kb 20 RD5   | 20 µL x 5                             |
|               | Copy Number | G201923G    | SureFISH 1q25.2 ABL2 600kb 20 GR5        | 20 µL x 5                             |
|               | Copy Number | G201925R    | SureFISH 1p36.32 TPRG1L 332kb 20 RD5     | 20 µL x 5                             |
|               | BRAF        | Break Apart | G201961R                                 | SureFISH 7q34 BRAF 3' BA 414kb 20RDX5 |
| Break Apart   |             | G201962G    | SureFISH 7q34 BRAF 5' BA 510kb 20GRX5    | 20 µL x 5                             |
| HER2          | Copy Number | G210969G    | SureFISH 17q12 HER2 191kb P20GRx5        | 20 µL x 5                             |
| MYC           | Copy Number | G210977B    | SureFISH 8q24.21 MYC 294kb P20BLx5       | 20 µL x 5                             |
| CDKN2A        | Copy Number | G210973X    | SureFISH 9p21.3 CDKN2A 351kb P20TRx5     | 20 µL x 5                             |
| ZNF217        | Copy Number | G210971Y    | SureFISH 20q13.2 ZNF217 480kb P20GOx5    | 20 µL x 5                             |
| CDKN2A        | Copy Number | G201965R    | SureFISH 9p21.3 CDKN2A 351kb 20RDx5      | 20 µL x 5                             |
| CCND1         | Copy Number | G210976G    | SureFISH CCND1 DF 577kb P20GRx5          | 20 µL x 5                             |
| RREB1         | Copy Number | G201964R    | SureFISH 6p25.1 RREB1 638kb 20RDx5       | 20 µL x 5                             |
| MYC           | Copy Number | G210977B    | SureFISH 8q24.21 MYC 294kb P20BLx5       | 20 µL x 5                             |
| CEP9          | Copy Number | G210975G    | SureFISH Chr9 CEP 367kb P20GRx5          | 20 µL x 5                             |

[www.agilent.com/genomics/surefish](http://www.agilent.com/genomics/surefish)

Analyte Specific Reagent. Analytical and performance characteristics are not established.

This information is subject to change without notice.

PR7000-0731  
© Agilent Technologies, Inc. 2017  
Printed in the USA, November 3, 2017  
5991-8442ENUS