

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. The probes can be used on formalin-fixed, paraffin-embedded tissue sections.

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.

Sample Type	Target	Probe Type	Part No.	Description	Volume
Lung FFPE	ALK	Break Apart	G111200-8	SureFISH ALK BA P5	5 µL
			G111400-8	SureFISH ALK BA P20	20 µL
			G111900-8	SureFISH ALK BA P200	200 µL
	ROS1	Break Apart	G111201-8	SureFISH ROS1 BA P5	5 µL
			G111401-8	SureFISH ROS1 BA P20	20 µL
			G111901-8	SureFISH ROS1 BA P200	200 µL
	RET	Break Apart	G111202-8	SureFISH RET BA P5	5 µL
			G111402-8	SureFISH RET BA P20	20 µL
			G111902-8	SureFISH RET BA P200	200 µL
Lymph Node FFPE	MYC	Break Apart	G111423-8	SureFISH MYC BA P20	20 µL
			G111923-8	SureFISH MYC BA P200	200 µL
	BCL2	Break Apart	G111421-8	SureFISH BCL2 BA P20	20 µL
			G111924-8	SureFISH BCL2 BA P200	200 µL
	BCL6	Break Apart	G111422-8	SureFISH BCL6 BA P20	20 µL
			G111925-8	SureFISH BCL6 BA P200	200 µL
	CCND1	Break Apart	G111443-8	SureFISH CCND1 BA P20	20 µL
			G111926-8	SureFISH CCND1 BA P200	200 µL
	MALT1	Break Apart	G111420-8	SureFISH MALT1 BA P20	20 µL
			G111927-8	SureFISH MALT1 BA P200	200 µL
	IGH	Break Apart	G111424-8	SureFISH IGH BA P20	20 µL
			G111928-8	SureFISH IGH BA P200	200 µL
	IGH/MYC	Dual Fusion	G111425-8	SureFISH IGH MYC DF P20	20 µL
			G111929-8	SureFISH IGH MYC DF P200	200 µL
	IGH/BCL2	Dual Fusion	G111426-8	SureFISH IGH BCL2 DF P20	20 µL
			G111930-8	SureFISH IGH BCL2 DF P200	200 µL
	IGH/CCND1	Dual Fusion	G111442-8	SureFISH IGH CCND1 DF P20	20 µL
			G111931-8	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.

Sample Type	Target	Probe Type	Part No.	Description	Volume
Lymph Node FFPE	Kappa Light Chain	mRNA detection	G111919-8	Kappa mRNA CISH Probe	200 µL
	Lambda Light Chain	mRNA detection	G111920-8	Lambda mRNA CISH Probe	200 µL
	EBER1 and EBER2	RNA detection	G111921-8	EBER RNA CISH Probe	200 µL
	28S	RNA detection	G111922-8	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.

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

www.agilent.com/genomics/surefish

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