

# SureFISH ALK, ROS1 and RET

Break-Apart Probes For Lung FFPE

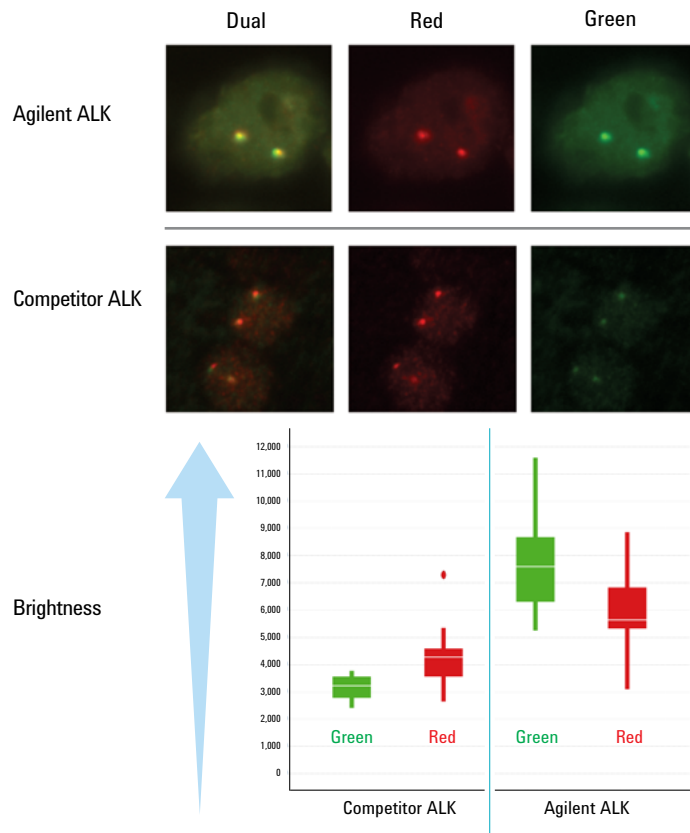


- Brighter and more balanced signals
- Unique micro-gap design for tight signal colocalization
- 1-2 hour fast hybridization workflow

### Brighter and more balanced signals.

Our enhanced probe design incorporates a densely tiled oligo algorithm to enable more oligos per region. Our new labeling method increases signal strength, esp. on the typically weaker green channel. All SureFISH probes are repeat-free, so no cot-1 DNA is needed for repeat blocking, minimizing signal suppression from the blocker. All together, the new ALK, ROS1, and RET probes offer brighter and more balanced signal than BAC probes from competitors.

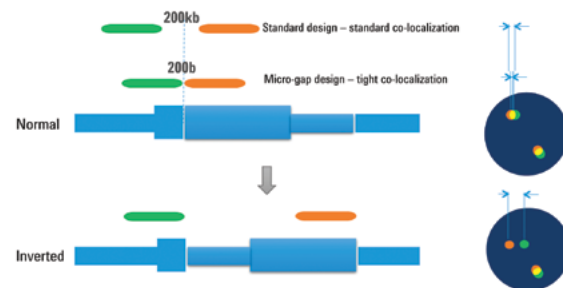
### SureFISH ALK probe signal compared to similar BAC probe



### Unique micro-gap design.

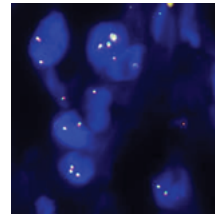
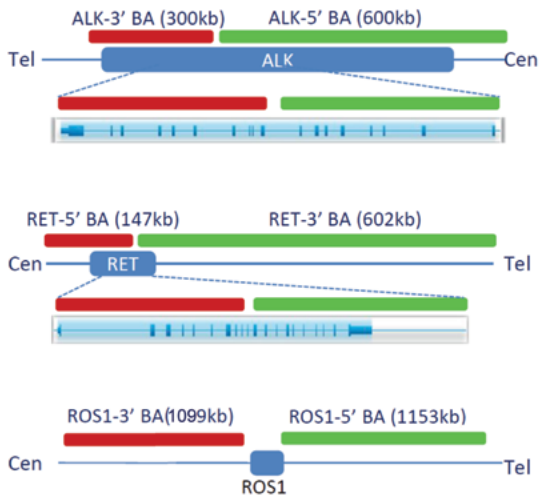
For gene inversions such as ALK and RET, signal separation in a translocated specimen is limited (still on same chromosome after inversion). In these cases, the tighter the signal co-localize in a normal specimen, the easier the analysis. Without BAC clone limitation, Sure-FISH technology enables break-apart probes with "micro-gap" designs, reducing separate of child probes and thus improving signal colocalization.

### Unique Micro-gap design enables tight co-location

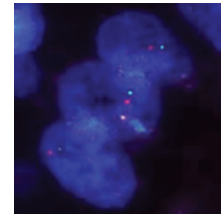




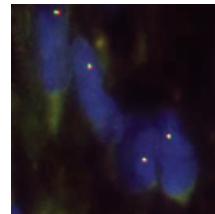
# SUREFISH ALK, ROS1 AND RET BREAK-APART PROBES



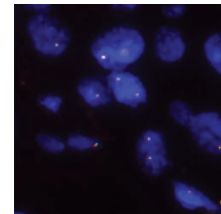
ALK: no translocation



ALK: translocated

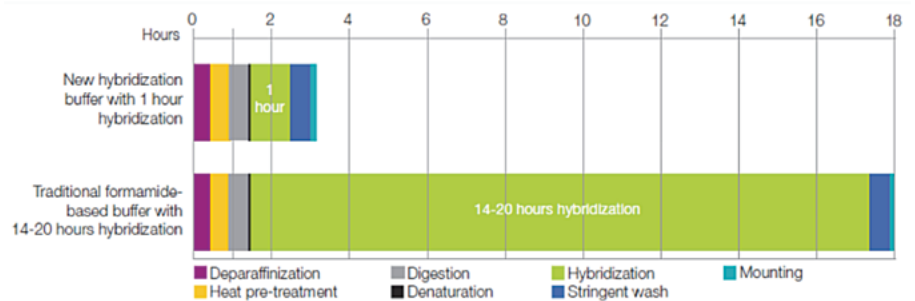


ROS1: no translocation



RET: no translocation

**SureFISH ALK, ROS1, RET use IQFISH workflow: 1-2 hour fast hybridization and 4 hour sample to result**



## Ordering Information

Agilent SureFISH ALK, ROS1 and RET Probes are available off the shelf in 5µL, 20µL and 20µL x 6 vial sizes. Premixed child probes are labeled in green (FITC) and orange red Cy3). All probes may also be customized based on your unique requirements. Obtain results in 4 hours using SureFISH ALK, ROS1 or RET probes and the Dako IQFISH hybridization buffer.

**LEARN MORE OR BUY ONLINE:**

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

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## SureFISH ALK, ROS1, RET Break-Apart Probes

Part Number	Product Description	Intended Use	Volume
G111200-8	SureFISH ALK BA P5	RUO	5ul
G111400-8	SureFISH ALK BA P20	RUO	20ul
G211400-8	SureFISH ALK BA P20x6	RUO	20ul; 6 vials
G111201-8	SureFISH ROS1 BA P5	RUO	5ul
G111401-8	SureFISH ROS1 BA P20	RUO	20ul
G211401-8	SureFISH ROS1 BA P20x6	RUO	20ul; 6 vials
G111202-8	SureFISH RET BA P5	RUO	5ul
G111402-8	SureFISH RET BA P20	RUO	20ul
G211402-8	SureFISH RET BA P20x6	RUO	20ul; 6 vials

## Ancillary Reagents

Part Number	Product Description	Intended Use
G9415A	IQ FFPE Hybridization Buffer, 20 reactions	RUO
G9416A	IQ FFPE Hybridization Buffer, 20 rxn x 6	RUO
K5799	DAKO Histology FISH Accessory Kit	IVD

Protocol tips: On Lung tissue, start with RTU pepsin digestion at 37°C for 7 minutes and 80°C probe codenaturation for 10 minutes.

See Deeper. Reach Further.



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