

## RNA fusion reference standards, 5/16

**May 2016**—The ALK-RET-ROS1 targeted formalin-fixed, paraffin-embedded RNA Fusion Reference Standards from Horizon are a highly characterized, biologically relevant quality control material to assess the performance of next-generation sequencing, RT-PCR, and RT-qPCR assays aimed at detecting gene fusions. Each section contains FFPE cell line multiplex verified to contain EML4-ALK (variant 1), CCDC6-RET, and SLC34A2-ROS1 fusions.

The reference standards enable a lab to evaluate workflow integrity from preanalytical RNA extraction to fusion detection; optimize and validate new targeted RNA panels and routinely monitor the performance of an assay; and assess analytical variability and reproducibility between platforms, laboratories, operators, and assays. Highly homogeneous cell suspension yields a consistent and reproducible quantity of RNA that enables effective end-to-end process validation.

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