

Supplementary data (S1)

Horizon ALK-RET-ROS1 Fusion FFPE RNA Reference Standard curve

HD784 Horizon is a Reference Standard for ALK-RET-ROS1 Fusion FFPE RNA

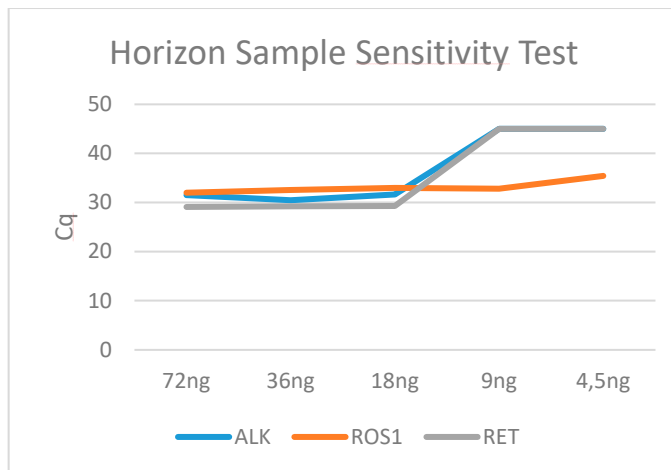
1 10 µm FFPE section of HD784 was extracted using the Promega Maxwell® automatic system (AS1360 FFPE RNA Kit) in accordance with manufacturer procedures.

From 1 section we obtained 17,9 ng/ul in 40 ul of mutated RNA.

The extracted RNA was serially diluted (from dilution A to dilution E) with wild type RNA as indicated in the table. 10 ng of DNA necessary for the internal controls of the Idylla™ cartridge was also added to each point of the dilution. 200µl of each dilution combined with 50 µl of RNA Later solution were loaded onto the Idylla™ cartridge.

Table. Standard curve preparation with HORIZON (HD784)

Dilution	RNA Mut.	RNA WT	DNA control
A	72ng	72ng	10ng
B	36	108	10ng
C	18	126	10ng
D	9	135	10ng
E	4,5	139,5	10ng



The Horizon standard curve showed that the Idylla™ system was able to identify fusions by loading at least 15 ng of RNA