

# Product Data Sheet



Quality in Control

**PRODUCT NAME:** ROS1 Analyte Control

**PRODUCT CODE:** HCL024 (1 cell microarray (CMA) block)

**INTENDED USE:** Research Use Only (RUO)

N.B. Once validated in the laboratory, this product is designed to confer confidence in results obtained from the sample on the same slide. If the control has worked appropriately then the assay has worked and any staining, or lack thereof, present within the sample is genuine. This material cannot be used independently as a means of optimising assays in the laboratory.

**STORAGE:** 2°C to 8°C. Avoid freezing as this may cause the wax to crack

**DESCRIPTION:** CMA which includes 2 individual cores (Diameter 2.0mm x Length 3.0-3.5mm) containing cell lines of the following tumour origin:

- Cell line A: Negative for ROS1 fusion by immunohistochemistry (IHC) and fluorescence in situ hybridization (FISH)
- Cell line B: Positive for ROS1 fusion by immunohistochemistry (IHC) and fluorescence in situ hybridization (FISH)
- Fixative: 10% Neutral Buffered Formalin
- Embedding: Paraffin wax

HistoCyte Laboratories Ltd recommend cutting sections at 3-5µm and mounted on positively charged slides and dried at 37°C overnight with 1-2 hrs incubation at 60°C.

The number of slides obtained is variable depending on the skill of the histologist, the temperature of the block when cut and frequency of use. Up to 300 sections in the hands of an experienced histologist can be achieved.

N.B. While HistoCyte Laboratories Ltd has made every effort to assess these analyte controls with a variety of assays available on the market, it is the responsibility of the end user to determine suitability with their reagents and procedures within their laboratory.

## EXPRESSION PROFILE:

Cell Lines	IHC for ROS1	FISH for ROS1 translocation†
A	Negative	Presence of non-split signals
B	Strong cytoplasmic staining	Presence of split signals

\*As assessed with Cell Signaling Technologies Inc anti-ROS1 clone D4D6 on the Ventana/Roche Benchmark Ultra with Optiview detection. †Agilent SureFISH ROS1 Break Apart FISH Probe Kit and Kretech Diagnostics ROS1 (6q22) Break – XL (Leica Biosystems)

**DIRECTIONS FOR USE:**

Material is supplied in a block (see figure 1 below) and designed to be used as a same-slide control. Sections should be cut and arranged as appropriate. The use of Superfrost Plus or HistoBond+ slides is recommended as a minimum. Other slides may be used but need to be validated in conjunction with the automated platform employed in the laboratory.

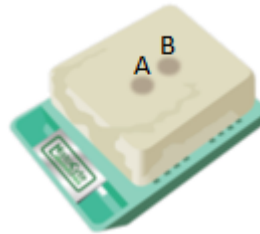


Figure 1. ROS1 Analyte Control CMA block.

For more information, contact [info@histocyte.com](mailto:info@histocyte.com) or visit our website [www.histocyte.com](http://www.histocyte.com).