



Certificate of Analysis

Material Name:	5% POLE-POLD1 Mutation FFPE Control
Part Number:	D181-001, D181-002, D181-003, D181-004 and D181-005, respectively
Vial Content:	1 x 10um FFPE curl
Lot Number:	250827A, 260202B, 250827C, 250827D, and 250827E, respectively
Composition:	The products contain FFPE slices with embedded cellular DNA carrying POLE p.P286R, p.F367S, p.V411L, p.S459F, and POLD1 p.S478N mutations, at ~5% allele frequency.
Storage:	Store at 2-8 °C.
Date of Manufacturing:	8/27/2025-2/2/2026
Expiration Date:	See table below

Test Result:

Variant Name	Part Number	Lot Number	Average VAF (%)	Passing Criteria	Average gDNA copy/curl	DNA Mass (ng/curl)	Pass/Fail	Expiration Date
POLE p.P286R	D181-001	250827A	6.15	5% +/- 2%	131340	221	Pass	8/31/2028
POLE p.F367S	D181-002	260202B	6.10	5% +/- 2%	450000	584	Pass	2/28/2029
POLE p.V411L	D181-003	250827C	5.99	5% +/- 2%	140300	366	Pass	8/31/2028
POLE p.S459F	D181-004	250827D	4.59	5% +/- 2%	133667	248	Pass	8/31/2028
POLD1 p.S478N	D181-005	250827E	5.69	5% +/- 2%	147690	194	Pass	8/31/2028

DNA was extracted with FormaPure XL Total kit.

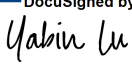
Test method for wildtype and mutant DNA copies and allele frequency: ddPCR.

Test method for DNA mass: DeNovix High Sensitive dsDNA Assay.

Approval

Name: Yabin Lu

Signature:

DocuSigned by:

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Date: 3/2/2026

The material is for research use only.