

Guide to FoundationOne®CDx and FoundationOne®Liquid CDx Reports

FDA-Approved Claims

Any FDA-approved claims will always appear at the beginning of the report, starting on page one.

FOUNDATIONONE® CDx

PATIENT	PATIENT	TUMOR TYPE	REPORT DATE
DISEASE: Breast invasive ductal carcinoma (IDC)	NAME: [REDACTED]	Breast invasive ductal carcinoma (IDC)	ORDERED TEST #
NAME: [REDACTED]	ORDERING PHYSICIAN: [REDACTED]	REPORT DATE: [REDACTED]	
DATE OF BIRTH: [REDACTED]	MEDICAL FACILITY: [REDACTED]		
SEX: [REDACTED]	ADDITIONAL RECIPIENT: [REDACTED]		
MEDICAL RECORD #: [REDACTED]	MEDICAL FACILITY ID: [REDACTED]		
	PATHOLOGIST: [REDACTED]		

Companion Diagnostic (CDx) Associated Findings

GENOMIC FINDINGS DETECTED	FDA-APPROVED THERAPEUTIC OPTIONS
1 PIK3CA E545K	Piqray® (Alpelisib)

OTHER ALTERATIONS & BIOMARKERS IDENTIFIED

Results reported in this section are not diagnostic or conclusive for labeled use of any specific therapeutic product. See professional services section for additional information.

2 Microsatellite status MS-Stable [§]	MAP2K4 loss [‡]
Tumor Mutational Burden 4 Muts/Mb [§]	STAG2 splice site 2674>1G>C
BRCA2 P628fs*16	STK11 F231L
FANCG FANCG (NM_004629) rearrangement intron 11 [‡]	TP53 C275F

[§] Refer to appendix for limitation statements related to detection of any copy number alterations, gene rearrangements, BRCA1/2 alterations, LOH, MSI, or TMB results in this section.
 Please refer to appendix for Explanation of Clinical Significance Classification and for variants of unknown significance (VUS).

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 ABOUT THE TEST FoundationOne® CDx is the first FDA-approved broad companion diagnostic for solid tumors.
 Electronically signed by Julia A. Diven, MD, PhD | 01 June 2021
 Julia A. Diven, MD, PhD, is a member of the FoundationOne® CDx Clinical Reference Panel. She is a Board Certified, MD, PhD, MSc, Laboratory Director CLIA: 3402044309 Foundation Medicine, Inc. | 1388888888339
 Sample Preparation: 100 Second St., 1st Floor, Cambridge, MA 02141 • CLIA: 2020002730 Sample Analysis: 100 Second St., 1st Floor, Cambridge, MA 02141 • CLIA: 2020002730 Post-Sequencing Analysis: 100 Second St., 3rd Floor, Cambridge, MA 02141 • CLIA: 2020002730
 FDA APPROVED CLAIMS | PAGE 1 of 2

1 FDA-Approved CDx Claims

List of FDA-approved companion diagnostics associated with your patient's findings.

2 Other Alterations and Biomarkers Identified

For FoundationOne CDx reports, all other genomic and biomarker findings without companion diagnostic claims will appear here. For FoundationOne Liquid CDx reports, alterations shown here are limited to short variants and select rearrangements and copy number alterations. The complete list of genomic and biomarker findings can be found in the Professional Services section.

3 Report Highlights

This feature distills important genomic insights in one easy-to-find place, helping you focus on the key actionable results to inform your patient's treatment plan.

Professional Services

The Professional Services section provides information for all reported biomarker and genomic findings. This section is not reviewed or approved by the FDA.

FOUNDATIONONE® CDx

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SEX: [REDACTED]	ADDITIONAL RECIPIENT: [REDACTED]		
MEDICAL RECORD #: [REDACTED]	MEDICAL FACILITY ID: [REDACTED]		
	PATHOLOGIST: [REDACTED]		

ABOUT THE TEST FoundationOne® CDx is a next-generation sequencing (NGS) based assay that identifies genomic findings within hundreds of cancer-related genes. Interpretive content on this page and subsequent pages is provided as a professional service, and is not reviewed or approved by the FDA.

Companion Diagnostic (CDx) Associated Findings

GENOMIC FINDINGS DETECTED	FDA-APPROVED THERAPEUTIC OPTIONS
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OTHER ALTERATIONS & BIOMARKERS IDENTIFIED

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Report Highlights

3 Report Highlights

- Targeted therapies with NCCN categories of evidence in this tumor type: Alpelisib + Fulvestrant (p.10), Olaparib (p.11), Talazoparib (p.12), Everolimus (p.5)
- Variants that may inform nontargeted treatment approaches (e.g., chemotherapy) in this tumor type: BRCA2 P628fs*16 (p.5)
- Evidence-matched clinical trial options based on this patient's genomic findings: (p.15)
- Variants in select cancer susceptibility genes to consider for possible follow-up germline testing in the appropriate clinical context: BRCA2 P628fs*16 (p.5)

4 Disease relevant genes with no reportable alterations: BRCA1, ERBB2

5 Therapies with Clinical Relevance (in Patient's Tumor Type)

BRCA2 - P628fs*16	10 Trials see p.15
PIK3CA - E545K - subclonal [†]	10 Trials see p.17
STK11 - F231L - subclonal [†]	8 Trials see p.19

6 Therapies with Clinical Relevance (in Other Tumor Type)

Olaparib	Niraparib
Talazoparib	Rucaparib
Alpelisib + Fulvestrant	Everolimus
	Temsirolimus
none	none

7 BIOMARKER FINDINGS

Microsatellite status - MS-Stable

Tumor Mutational Burden - 4 Muts/Mb

GENOMIC FINDINGS

BRCA2 - P628fs*16

10 Trials see p.15

PIK3CA - E545K - subclonal[†]

10 Trials see p.17

STK11 - F231L - subclonal[†]

8 Trials see p.19

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4 Pertinent Negatives

Identifies important negative results that can be used for patient management. Pertinent negatives do not appear for FoundationOne Liquid CDx.

5 Therapies with Clinical Benefit

Therapies for each associated genomic finding are listed in the therapy table. On the left are therapies within your patient's tumor type, and on the right are those with proven clinical benefit in other tumor types. Therapy resistance based on your patient's genomic profile will also be indicated.

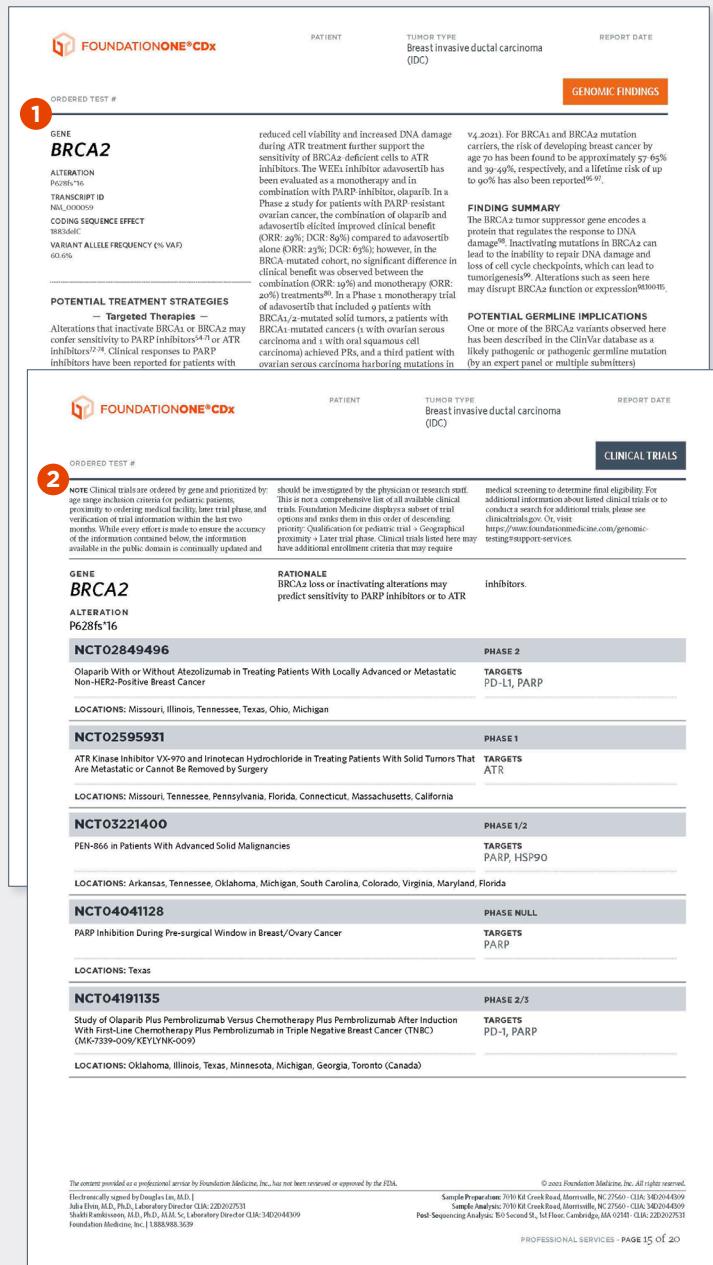
6 National Comprehensive Cancer Network® (NCCN®) Categories of Evidence and Consensus¹

Associated NCCN Category that has been assigned to the therapy listed within your patient's tumor type.

7 Clinical Trials

Identifies number of trials based on your patient's unique genomic profile with page number for quick reference.

Professional Services Continued

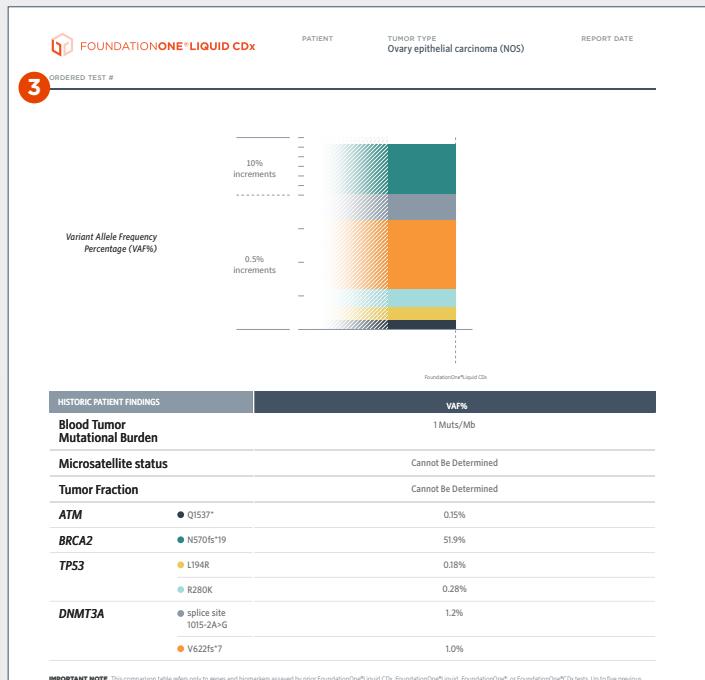


To learn more about our FDA-approved portfolio, go to foundationmedicine.com/portfolio

1. Referenced with permission from the National Comprehensive Cancer Network, Inc. © National Comprehensive Cancer Network, Inc. 2021. All rights reserved. To view the most recent and complete version of the recommendations, go online to NCCN.org. NCCN makes no warranties of any kind whatsoever regarding their content, use or application and disclaims any responsibility for their application or use in any way.

FoundationOne®CDx and FoundationOne®Liquid CDx are qualitative next-generation sequencing based *in vitro* diagnostic tests for advanced cancer patients with solid tumors and are for prescription use only. FoundationOne CDx utilizes FFPE tissue and analyzes 324 genes as well as genomic signatures. FoundationOne Liquid CDx analyzes 324 genes utilizing circulating cell-free DNA and is FDA-approved to report short variants in 311 genes. The tests are companion diagnostics to identify patients who may benefit from treatment with specific therapies in accordance with the therapeutic product labeling. Additional genomic findings may be reported and are not prescriptive or conclusive for labeled use of any specific therapeutic product. Use of the tests does not guarantee a patient will be matched to a treatment. A negative result does not rule out the presence of an alteration. Some patients may require a biopsy for testing with FoundationOne CDx when archival tissue is not available which may pose a risk. Patients who are tested with FoundationOne Liquid CDx and are negative for companion diagnostic mutations should be reflexed to tumor tissue testing and mutation status confirmed using an FDA-approved tumor tissue test, if feasible.

For the complete label, including companion diagnostic indications and important risk information, please visit www.F1CDxLabel.com and www.F1LCDxLabel.com.



1 Biomarker and Genomic Findings

Following the initial pages of the report, the professional services section goes into more detail about your patient's findings.

2 Clinical Trial Information

Detailed information about the clinical trials your patient has been matched to, ranked for the patient based on location and trial phase.

3 FoundationOne Liquid CDx Variant Allele Frequency Percentage (VAF%) Graph and Table

Shows the detected VAF% and where applicable in the patient's biomarkers and/or genomic signatures. Up to 5 previous tests may be shown. For FoundationOne CDx reports, VAF values are displayed in the Genomic Findings section of Professional Services, alongside other variant information.

Medical Case Consulting

For additional help with report interpretation, select the "Ask An Expert" feature on your provider portal or contact client services at (888) 988-3639.