

# Order Foundation Medicine Testing:

1. Select your patient and open the encounter.
2. Use the **Add Order** button or the **Preference List Icon** to search for your test:
3. There are three interfaced tests available for order:
  - a. **FoundationOne CDx [LAB10220]**
  - b. **FoundationOne Heme [LAB10221]**
  - c. **FoundationOne Liquid CDx [LAB10222]**



4. Select your test by double clicking from the list. The order composer will open, which is our requisition in Epic. This replaces your paper requisition.
5. Answer order questions for your test. Notice some questions will auto-populate answers. Questions with red stop signs are required to be answered before signing the order. Some questions have nesting questions that will appear after answering the question.
  - a. **Reference Links:** These hyperlinks offer information on ordering FMI testing
  - b. **Specimen Collection Date, Specimen ID, Stage, Disease Status** (required fields)
  - c. **Laboratory name, phone, and fax:** default text entered for UVA Medical Laboratories
  - d. **Preferred billing method:** Answer defaults based on if patient in an outpatient or inpatient.
    - i. Outpatient = Insurance
    - ii. Inpatient = Invoice Facility
    - iii. If Medicare and Outpatient = Insurance or Self Pay
  - e. **Process Instructions:** Contains defaulted text. This text cannot be edited and certifies the order.
  - f. **Comments:** This information is needed on the order for FMI to appropriately process the specimen. **Do not delete or alter this text.**

- g. **Class:** Order class is defaulted based on the test. CDx tissue test defaults to third party. The Liquid and Heme tests are defaulted to Unit Collect. **If you need the lab to collect these specimens instead, change the order class to Lab Collect.**

FoundationOne CDx Accept Cancel

Reference Links: [Information on ordering Foundation Medicine studies](#) • [Learn more about ordering a PD-L1 study](#)

Would you like a specific specimen tested or leave this to the discretion of the Pathologist?

**!** Specimen collection date:

**!** Specimen ID:

Laboratory name:

Laboratory phone:

Laboratory fax number:

Specimen Retrieval:

\*\* FoundationOne Liquid CDx requires a whole blood specimen \*\* If tissue submitted does not meet the criteria for successful testing, reflex to FoundationOne® Liquid?

Would you like to add IHC testing for PD-L1?

Has the patient had any transplants that are diagnostically relevant to this study?

---

**!** Stage:

**!** Disease Status:  Metastatic  Recurrent  Refractory  Relapse  None of the above

Select preferred billing method:

**!** Select insurance type:

Specimen source:

Process Instructions:

Comments:

====Department Info====  
 RADIATION ONCOLOGY CANCER CENTER  
 Emily Couric Clinical Cancer Center  
 1240 LEE STREET, GROUND FLOOR  
 Charlottesville, VA, 22908-0817  
 Dept: 434-924-9333  
 Dept Fax: 434-244-7526  
 =====  
 FMI Form Version 1.0

**Do not change this text!** If you need to enter comments, type them below the last line (FMI Form Version 1.0)



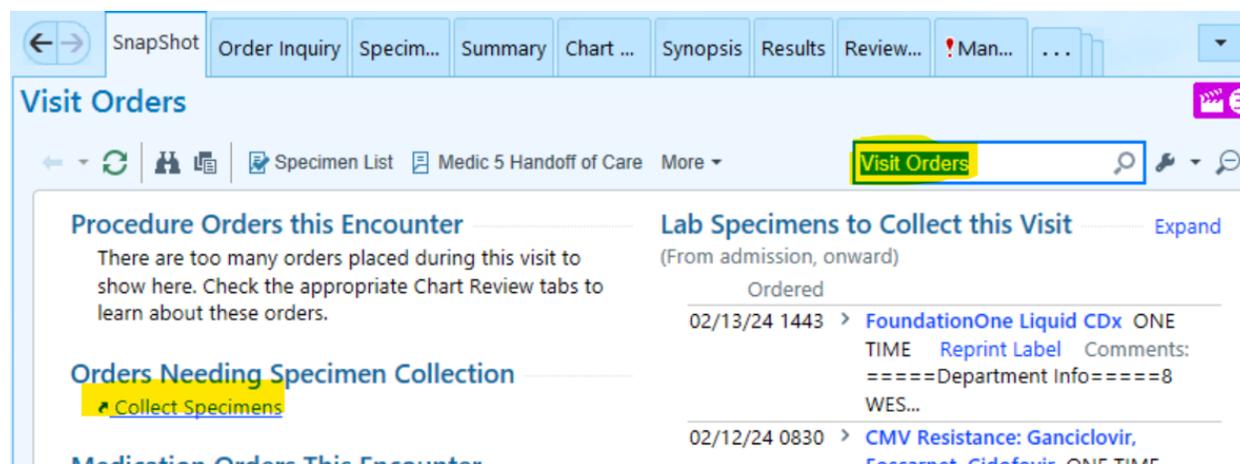
6. **Accept** the order composer and **Sign** the order. The order can also be pended if needed.
7. Enter the ordering information for **Ordering Provider** and **Authorizing Provider** and **Accept** to complete signing the order. A plain paper requisition will print out which can be included with the specimen collection kit.

# Collect the Specimen or Send Patient to Lab:

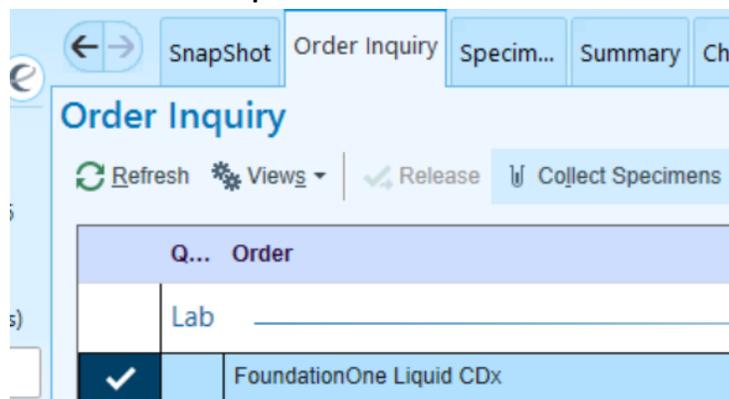
If your staff is not collecting the specimen, send the patient down to the lab with the plain paper requisition from order signing and the specimen collection kit.

If your staff is collecting the specimen:

1. Open your patient from your **Patient List** or **Patient Station**.
2. Navigate to your patient's **SnapShot** and select the **Visit Orders** view.
3. Click the **“Collect Specimens”** link under **Orders Needing Specimen Collection**.



4. Select your test and click **Collect Specimens**.



5. **Print** your label and **Label** your specimen.



6. **Scan** the label to document collection time.

**Specimen Collection** [?] [X]

**Collection Sequence** — **Blood Specimens**

**FOUNDATION MEDICINE KIT**  
24F-044FM00004.1

**FOUNDATION MEDICINE KIT 24F-044FM00004** [!] Scan label or click to doc [X]

Time	Date	Collector	Department

Source  
Other

Draw Type  
Venipuncture Venipuncture Butterfly Capillary

Add Lab Comments

**FoundationOne Liquid CDx** Scheduled: 2/13/2024 1510  
Comments: =====Department Info===== 8 WEST OB Uva University Hospital East 1215 LEE STREET, 8TH FLOOR WEST, PO BOX 801425 Charlottesville, VA, 22908-0816 Dept: 434-297-9780 Dept Fax: 434-297-9494 ===== FMI Form Version 1.0

**Specimen Collection** [?] [X]

**Collection Sequence** — **Blood Specimens**

**FOUNDATION MEDICINE KIT**  
24F-044FM00004.1

**FOUNDATION MEDICINE KIT 24F-044FM00004** [?] [X] ✓ Collected on 2/13/2024 at 1516 by BLAIR, ASHLEY in UVHE 8 WEST OB

Time	Date	Collector	Department
1516	2/13/2024	BLAIR, AS...	UVHE 8 WEST OB

Source  
Other

Draw Type  
Venipuncture Venipuncture Butterfly Capillary

Add Lab Comments

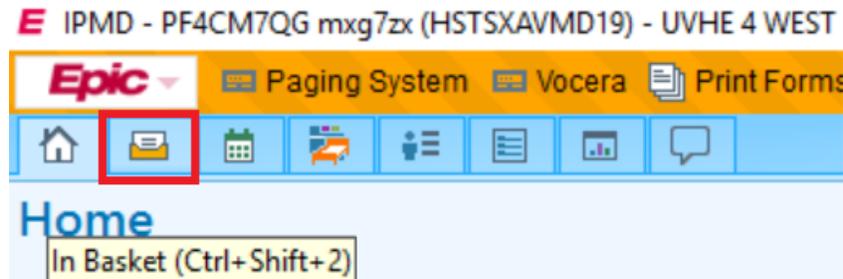
**FoundationOne Liquid CDx** Scheduled: 2/13/2024 1510  
Comments: =====Department Info===== 8 WEST OB Uva University Hospital East 1215 LEE STREET, 8TH FLOOR WEST, PO BOX 801425 Charlottesville, VA, 22908-0816 Dept: 434-297-9780 Dept Fax: 434-297-9494 ===== FMI Form Version 1.0

7. Accept and take labeled specimen with kit to the laboratory for send-out.

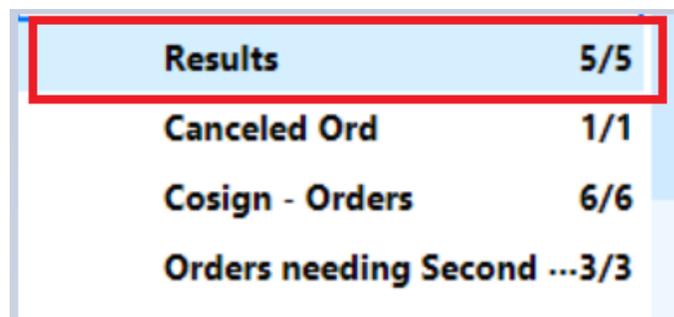
# Interfaced Results:

Now Foundation Medicine results are interfaced. The authorizing provider gets results routed to their InBasket.

1. **Navigate** to your **InBasket** icon.



2. **Click** on your **Results** folder.



3. A list of results will appear.

The screenshot displays the Epic Results interface. At the top is a table with columns: Status, Visit Date, Patient, Age, Test, New, Resulted, Result Date, and Provider. Below the table are tabs for "Result", "Standard Results", "EMG/PFT Spec. Format", "Patient Info", "Meds/Problems", "Vitals/Labs", "My Last Note", and "Help". The "Result" tab is active, showing a patient summary for "Blueberry P. Onc" (Female, 41 y.o., 12/18/1982, MRN: 5320175). The patient's status is "Edited Result - FINAL" and is visible to the patient. The result is for "Foundation Medicine" with a status of "See Report for Final Results". The test is "MICROSATELLITE STABILITY (MSI-High) Tumor Burden" (TUS) with a result of "Elevated Tumor Fraction Not Detected".

Status	Visit Date	Patient	Age	Test	New	Resulted	Result Date	Provider
New	02/15/2024	Beaker, Teenage...	15 y.o.	FOUNDATIONON...	2	2 of 3	02/15/2024	Edi,990363; Blair, Ashley
Read	02/13/2024	Onc, Blueberry Pi...	41 y.o.	FOUNDATIONON...	1	1 of 1	02/14/2024	Wilson, Susan, RN
New	02/07/2024	Rtetest, Medicar...	75 y.o.	FOUNDATIONON...	1	1 of 1	02/08/2024	Blair, Ashley
New	01/26/2024	Onc, Blueberry P...	41 y.o.	FOUNDATIONON...	2	1 of 4	02/08/2024	Edi,990363; Blair, Ashlev

4. Click on one of the results to view discrete results, variant details, and the PDF result report from FMI. Discrete results are listed first. Scroll down to view the Variant Details. Last, two hyperlinks house the result reports – one with a UVA header, one without.

**a. Discrete Results:**

Result | Standard Results | EMG/PFT Spec. Format | Patient Info | Meds/Problems | Vitals/Labs | My Last Note | Help

BO

Blueberry P. Onc  
Female, 41 y.o., 12/18/1982  
MRN: 5320175  
CSN: 100010190272  
Phone: 784-556-9742 (H)  
PCP: Gazewood, John (Doc), MD  
PCP ATT: None  
PCP INS: None  
No vital signs recorded for this encounter.  
Primary Cvg: None  
My Pat List Reminders: None +

ALLERGIES  
Unknown: Not on File

**FoundationOne Liquid CDx: 24F-044FM00001** Order: 11212823

Status: Edited Result - FINAL Visible to patient: No (inaccessible in MyChart) Dx: Toxic effect of ingested berry, accid...

0 Result Notes

Component

<b>Foundation Medicine</b>	
<b>Result Status</b>	See Report for Final Results FMI Order ID: ORD-1822148-01
<b>MICROSATELLITE STA- MSI-High</b>	
<b>TUS</b>	
<b>BLOOD TUMOR MUTATIONAL BURDEN</b>	26 Muts/Mb
<b>TUMOR FRACTION</b>	Elevated Tumor Fraction Not Detected

Resulting Agency: FMI Lab

**b. Variant Details: Use arrows or Expand All to view full variant details**

Result | Standard Results | EMG/PFT Spec. Format | Patient Info | Meds/Problems | Vitals/Labs | My Last Note | Help

BO

Blueberry P. Onc  
Female, 41 y.o., 12/18/1982  
MRN: 5320175  
CSN: 100010190272  
Phone: 784-556-9742 (H)  
PCP: Gazewood, John (Doc), MD  
PCP ATT: None  
PCP INS: None  
No vital signs recorded for this encounter.  
Primary Cvg: None  
My Pat List Reminders: None +

ALLERGIES  
Unknown: Not on File

**Genomic Variant Results** Expand All Collapse All

- ⚠️ **ATM (Pathogenic)** ATM 12629fs\*25  
Type: Simple  
Sequence Change & Region  
DNA Change: 7886\_7890delTATTA Transcript: NM\_000051.3 AA Change: I2629fs\*25 (RefSeq-T)
- ⚠️ **BRCA1 (Pathogenic)** BRCA1 amplification
- ⚠️ **CDK6 (Pathogenic)** CDK6 amplification
- ⚠️ **CHEK2 (Pathogenic)** CHEK2 I157T
- ⚠️ **EGFR (Pathogenic)** EGFR L858R
- ⚠️ **EGFR (Pathogenic)** EGFR T790M
- ⚠️ **PTEN (Pathogenic)** PTEN rearrangement exon 8
- ⚠️ **PTEN (Pathogenic)** PTEN truncation

**c. Result Reports:**

Result | Standard Results | EMG/PFT Spec. Format | Patient Info | Meds/Problems | Vitals/Labs | My Last Note | Help

BO

Blueberry P. Onc  
Female, 41 y.o., 12/18/1982  
MRN: 5320175  
CSN: 100010190272  
Phone: 784-556-9742 (H)  
PCP: Gazewood, John (Doc), MD  
PCP ATT: None  
PCP INS: None  
No vital signs recorded for this encounter.  
Primary Cvg: None  
My Pat List Reminders: None +

ALLERGIES  
Unknown: Not on File

**TP53 (Pathogenic)** TP53 R282G

Specimen Collected: 02/13/24 12:50 Last Resulted: 02/14/24 09:38

Order Details View Encounter Variant Details Lab and Collection Details Routing Result History  
View All Conversations on this Encounter

**Scans on Order 11212823**

- Document on 2/14/2024 0938: ORD-1822148-01 FoundationOneLiquidCDx Result
- Document on 2/14/2024 0940 by Edi.990363

**Result Care Coordination**

Patient Communication  
Add Comments Not seen Back to Top

d.

Document on: 2/14/2024 by: of: ORD-1822148-01 FoundationOneLiquidCDx Result

**FOUNDATIONONE® LIQUID CDx**

PATIENT: **ONC, BLUEBERRY**      TUMOR TYPE: **Toxic effect of ingested berries, accidental (unintentional), sequela**      REPORT DATE: **02/14/2024**

COUNTRY CODE: **US**      ORDERED TEST #: **ORD-1822148-01**

*Interpretive content in the Professional Services sections is provided as a laboratory professional service, and has not been reviewed or approved by the FDA. The FDA approved pages immediately follow the Professional Services Summary, and the remainder of the Professional Services content follows the FDA approved section.*

**ABOUT THE TEST** FoundationOne®Liquid CDx is a next generation sequencing (NGS) assay that identifies clinically relevant genomic alterations in circulating cell-free DNA.

<b>PATIENT</b>	DISEASE: Toxic effect of ingested berries, accidental (unintentional), sequela NAME: ONC, BLUEBERRY DATE OF BIRTH: 12/18/1982 SEX: Female MEDICAL RECORD #: Not given	<b>PHYSICIAN</b>	ORDERING PHYSICIAN: Graham, Ross MEDICAL FACILITY: RADIATION ONCOLOGY CANCER CENTER ADDITIONAL RECIPIENT: N/A MEDICAL FACILITY ID PATHOLOGIST	<b>SPECIMEN</b>	SPECIMEN ID: 8ed95b88-3856-e911-a96b-000d3a1d7966 SPECIMEN TYPE: Blood DATE OF COLLECTION: 02/12/2024 SPECIMEN RECEIVED: 02/11/2024
----------------	---	------------------	---	-----------------	--

**Biomarker Findings**

Microsatellite status - MSI-High  
Blood Tumor Mutational Burden - 26 Muts/Mb  
Tumor Fraction - Cannot Be Determined

**Genomic Findings**  
*For a complete list of the genes assayed, please refer to the Appendix.*

TP53 R282G  
BRCA1 amplification  
EGFR L858R  
ATM I2629fs\*25

**Report Highlights**

- Variants with diagnostic implications that may indicate a specific cancer type: **BRCA1 amplification** (p. [Q](#))
- Targeted therapies with NCCN categories of evidence in this tumor type: **Niraparib** (p. [Q](#))
- Targeted therapies with potential resistance based on this patient's genomic findings: **AG221** (p. [Q](#))
- Variants that may inform nontargeted treatment approaches (e.g., chemotherapy) in this tumor type: **ATM I2629fs\*25** (p. [Q](#)), **BRCA1 amplification** (p. [Q](#))

Result Report without UVA Header

Document on: 2/14/2024 by: Edi,990363 of:

**University of Virginia Health System**  
Clinical Pathology Laboratory  
P.O. Box 800168, Charlottesville, VA 22908

Radiation Oncology Cancer Center  
1240 Lee Street  
Ground Floor  
Charlottesville VA 22908-0817

**Onc, Blueberry Pie 5320175**  
F, 41 yrs, 12/18/1982  
75841 Rose Wood Drive, ADVANCE MILLS VA 22968  
H: 784-556-9742

**Corrected Report: Foundation M - Other - Interface received corrected result**

**Authorizing Provider**

---

Result Report with UVA Header (first page is a UVA face sheet)