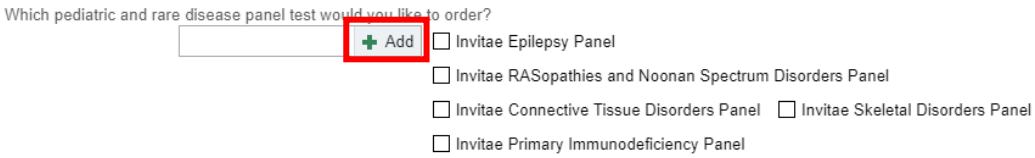
Invitae Epic Ordering

For UNC Hospitals providers ordering testing through McLendon laboratories

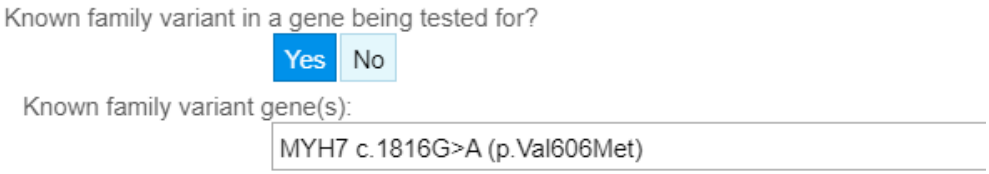
Test Codes

- All diagnostic panels/genes offered by Invitae are available through seven interfaced test codes in Epic, grouped by clinical area:
  - **LAB10919 –** Pediatric, Neurology, Cardiology and Rare Disease
  - **LAB10915 –** Hereditary Cancer
  - **LAB10921 –** STAT Cancer
  - **LAB10920 –** Genetic Risk (asymptomatic population screening)
  - **LAB10914 –** Family Variant Testing*
- If unsure of which test code to use, search by the desired panel name in Epic – all test codes containing that panel will show up.
- **Single gene testing** must be ordered within one of these test codes.
- Once a test code is selected, commonly ordered panels show up automatically. Search for specific panels and genes or browse all available options by clicking "Add."



***Family Variant Testing (FVT)**

- The interfaced FVT order includes **all variants from the proband report** by default. Proband RQ, DOB, and relationship to proband are required.
  - If there are variants that should NOT be included, make sure this is noted in the order comments so that Referral Testing can contact Invitae to request these variants be removed from the order.
  - If ordering within 150 days of the proband report date, choose **institution** for billing – the order will be updated to complimentary FVT on the Invitae portal.
- To order targeted testing at Invitae when the **proband was tested at a different reference laboratory**, order single gene testing via the appropriate interfaced test code. Select "Yes" to "Known family variant in a gene being tested for?" and provide variant details as shown here:



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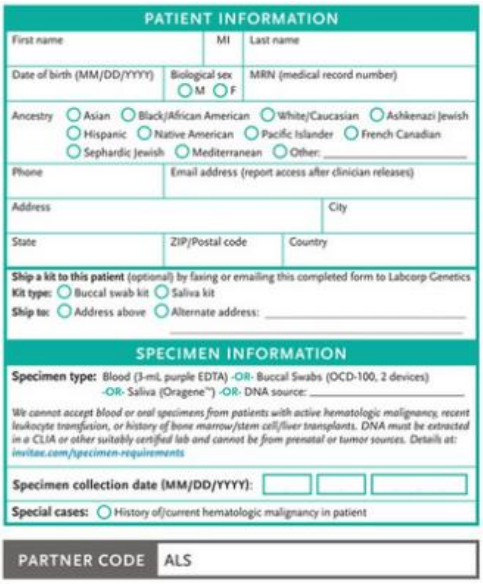
Sponsored Testing

- For sponsored testing orders, Invitae requires the submission of an additional form. Completed forms may be uploaded to the chart, delivered to the Referral Testing office, or emailed to ReferralTesting@unchealth.unc.edu.
    - List of sponsored testing programs: https://www.invitae.com/us/genetic-testing-access-programs?tab=cardiology
    - Forms: https://www.invitae.com/us/forms?tab=sponsored-testing
- The associated partnership code must be included in the Epic order. This can be found on the first page of the required form under the Patient Information section as shown:
    - For sponsored FVT orders, place an order using LAB10914 and enter the sponsor code in the order comments
- Choose **Institution** for billing.



PATIENT INFORMATION

First name | MI | Last name

Date of birth (MM/DD/YYYY) | Biological sex ○ M ○ F | MRN (medical record number)

Ancestry ○ Asian ○ Black/African American ○ White/Caucasian ○ Ashkenazi Jewish ○ Hispanic ○ Native American ○ Pacific Islander ○ French Canadian ○ Sephardic Jewish ○ Mediterranean ○ Other: _____

Phone | Email address (report access after clinician releases)

Address | City

State | ZIP/Postal code | Country

Ship a kit to this patient (optional) by faxing or emailing this completed form to Labcorp Genetics
Kit type: ○ Buccal swab kit ○ Saliva kit
Ship to: ○ Address above ○ Alternate address: _____

SPECIMEN INFORMATION

Specimen type: Blood (3-mL purple EDTA) -OR- Buccal Swabs (OCD-100, 2 devices) -OR- Saliva (Oragene™) -OR- DNA source: _____

We cannot accept blood or oral specimens from patients with active hematologic malignancy, recent leukocyte transfusion, or history of bone marrow/stem cell/liver transplants. DNA must be extracted in a CLIA or other suitably certified lab and cannot be from prenatal or tumor sources. Details at: invitae.com/specimen-requirements

Specimen collection date (MM/DD/YYYY): ☐☐☐

Special cases: ○ History of/current hematologic malignancy in patient

PARTNER CODE ALS

Re-Requisitions and Reflexes

- There is currently no test code to order **re-requisitions** via Epic interface. To request a re-req:
    - For **orders placed via new Invitae test codes** (after 11/18/24), email reftest@unchealth.unc.edu with the patient's information and the desired test. Results will automatically upload to the chart.***
    - For **orders originally from other facilities**, place a new misc. DNA order and email reftest@unchealth.unc.edu with the patient's information and the desired test. Results will be uploaded under the new misc. DNA order.
- **Reflexes** are currently only available via Epic interface on the Hereditary Cancer, STAT cancer, Pediatric, Neurology, Cardiology, and Rare Genetic Disease orders (excludes FVT), and only one panel can be chosen as a reflex.
    - If a reflex is desired for an FVT order or custom combination/single gene, write the desired panel/genes and the reflex condition (only if negative or regardless of initial results) in the order comments. Referral Testing will manually add the desired reflex in the portal.

***For re-reqs or reflexes from interfaced FVT orders to larger panels, results cannot currently upload to Epic automatically, so there will be delays in getting the report into Epic.

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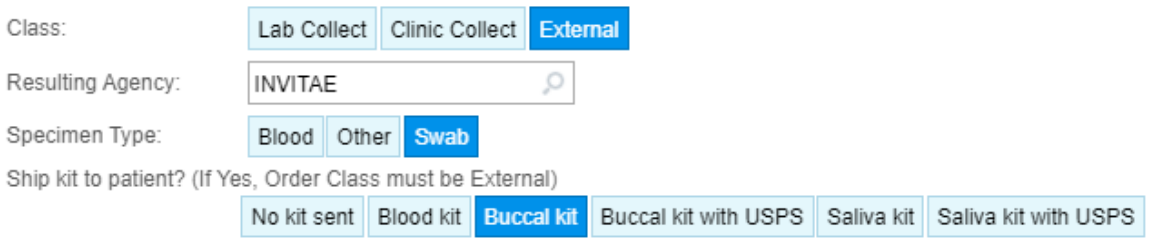
Home/Remote Collection

- In-clinic sample collection is ideal whenever possible to ensure proper sample collection and processing. However, if patients are unable to come to clinic for collection, Invitae can mail home collection kits to patients' addresses.
    - *Note: Based on data from Invitae, buccal samples have a lower rate of sample failure compared to saliva samples.*
- To request a kit, place an order via the appropriate interfaced test code. Select **EXTERNAL** order class and select desired kit type under the ship kit to patient question.
    - External interface orders will immediately transmit to the Invitae portal, and a kit of the selected type will be automatically shipped to the patient address registered in Epic.*
    - If delivery to a different address is needed, email reftest@unchealth.unc.edu.
        - Email is *recommended* for all home collection orders but is only *required* for interfaced Invitae orders if the address in Epic is incorrect.



- Select "Blood kit" if the patient plans to have blood drawn at a local LabCorp draw station.
- Other shipping considerations:
    - Kits are shipped via FedEx unless otherwise specified ("Buccal kit with USPS").
    - Select USPS if FedEx is unable to deliver to the patient's street address.
    - Kits cannot be delivered to P.O. boxes.

**Note: External orders placed on documentation encounters will not transmit automatically. All other encounter types including Orders Only should work for external interfaced orders.*

Please contact the laboratory genetic counseling team or Referral Testing with questions.

Referral Testing:
- ReferralTesting@unchealth.unc.edu
- 984-974-1414

Lab genetic counselors:
- LabGC@unchealth.unc.edu
- Lucy McNamee: 984-215-4734
- Emily Aungst: 984-974-1510

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