

A step by step guide for your first order

Content

1. Setting Up an Account in Nucleus: Our Online Ordering Portal
2. Ordering in Nucleus Step by Step: From Order to Results
3. Additional Information (Customizing the Panel)

1. Setting Up an Account in Nucleus: Our Online Ordering Portal

Nucleus

Login

Your username

Your password

Log In

[Recover password](#) [Request an account](#) **A**

Note: When ordering on behalf of an institution, please always use the same email address.

Nucleus

Request an account

Name of the healthcare professor **B**

Title * (e.g. cardiologist, genetic n

Hospital *

Department *

Select country

If you cannot find your location, click [here](#)

E-mail *

E-mail again *

Please use your hospital / institution email address.

I am a qualified healthcare professional *

Send **C**

[← Back to login](#)

How to Register in Nucleus

- 1) Go to nucleus.blueprintgenetics.com
- 2) Request an account **A**
- 3) Complete mandatory **B** information
 - Fill in your full name
 - We recommend using your personal institutional email address to share results with your colleagues
- 4) Send the account request **C**
- 5) You will receive a confirmation email followed by a second email containing a password. (Note: Email may go to your spam folder)
- 6) You can change your password in your Profile settings after logging in

2. Ordering in Nucleus: Step-by-Step

Step 1: Choose Test

- Select 'New Test'
- Browse for test or type in test name and order

Tip: Need help with choosing a test?

Visit our [portfolio](#) on our website and dedicated [webinars](#) for helpful information or contact [customer support](#).

Blueprint Genetics

Orders

Support

Test physician

Orders

Ordered tests Tests shared with me

View archived orders

Search



+ New Test

New test

Panels

Whole Exome Sequencing

Variant Specific Testing

Single Gene Tests

Aorta



Cardiology

Aorta Panel, CA1001

medium



Order

Customize

Step 2: Complete Order Information

- Fill order form
- Panels can be customized (For more information, visit [page 8](#))
- On Page 1, you can choose to share results by mail or fax. On Page 6, you can share your order in Nucleus with your colleagues in the same institution
- Order Specimen Kit via Nucleus or [website form](#). Our kits contain all the information needed on how to collect a sample

Create Order ID 109458

Aorta Panel, CA1001

Panel tier: medium

Number of genes: 53



Ordering health care professional

Name: Test physician
Institution: Test Hospital

Customize the panel

We will send you a notification when results are available here in Nucleus. In addition, you may choose to have the results by regular mail or by fax.

Delivery of result by regular mail

Delivery of result by fax

Phone number for possible case discussion

Order specimen kit

Order a specimen kit with sample tube, requisition form and prepaid return.

(*) required

Cancel order

Save as draft

Next

Step 3: Complete Billing Information

Choose billing type **A**

- Institutional
 - If you are ordering for the first time, please add the billing address **C** and contact information for invoicing (institutional email)
- Patient Billing
 - Patient email and name is mandatory to collect payment as patient will receive payment link via email
- If you have one, remember to provide promotion code in this step **B**

Note: Provide billing information if you are ordering for the first time and/or if you wish to bill a different institution.

A Billing method * Institutional

B Promotion/ Contract code

C Add billing address
Please provide if ordering for the first time.

Previous Cancel order Save as draft Next

Step 4: Complete Patient and Sample Information

A Patient first name * First Name

A Patient last name * Last Name

B Patient Date of Birth * 2012 March 12

C Patient Identifier / Medical Record Number 24-11-3445

Sample Type Blood

Additional information Specify

Is this a fetal sample? No Yes

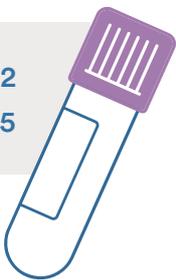
We do not offer a maternal cell contamination (MCC) test at the moment. We offer prenatal testing only for cases where the maternal cell contamination studies (MCC) are done by another genetic laboratory.

Previous Cancel order Save as draft Next

A First Name
Last Name
B 2012-03-12

A First Name
Last Name
C 24-11-3445

B 2012-03-12
C 24-11-3445



More about sample requirements [here](#).

Please note, we must be able to match the sample tube and/or paperwork with the Nucleus order with *two identifiers*. Please ensure that the identifiers marked on the sample match exactly those provided in Nucleus.

Note: In addition to a patient's full name, we need their date of birth or identification number. If the patient has multiple names, please include at least one first and last name on the tube label.

Step 5: Complete all Clinically Relevant Information and add Attachments

- Please provide all clinically relevant information: review of presenting illness, review of systems, investigations (both positive and negative results), previous genetic tests results, 3 generation family history, genes of interests and/or differential diagnosis
- On Page 4, you can attach relevant documentation

The clinical information that you provide helps our team interpret your patient's results. Learn more [here](#).

Step 6: Consent

A Blueprint Genetics' consent form is *not needed* for the specific genetic test being ordered. It is the healthcare professional's responsibility to ensure that the patient has given consent to genetic testing.

A copy of Blueprint Genetics' consent form *is needed but we do not require the patient's signature* if the patient wishes to give permission to:

- 3 year extended sample storage,
- report ACMG secondary findings

A copy of Blueprint Genetics' consent form *is needed and we require the patient's signature* if the patient wishes to give permission to:

- Research use & long-term extended sample storage

Note: Consent must include the clearly written patient's full name (first and last name) and clear indication to what patient is consenting. For reporting ACMG Secondary Findings for WES orders, we require a consent form from each family member who wishes to report Secondary Findings. We must receive copy of the consent from patient and each family member before the analysis starts.

Sponsored testing: Special consent form with patient signature might be also required if you are participating in sponsored testing. Please follow sponsored testing program guidelines and provide applicable consent together with your order.

Step 7: Share Results

You can share results directly with your colleague from the same institution in Nucleus (if they already have a Nucleus account).

Your order will be shared with your colleague immediately after you submit it. Once results are ready, your colleague will receive a notification via email.

The screenshot shows the 'Create Order ID 109458' form. At the top right, it says 'Patient: surname, name, 2020-02-02'. Below that, 'Aorta Panel, CA1001' and 'Panel tier: medium' are displayed, along with 'Number of genes: 53'. A progress bar at the bottom has seven steps: 1. Order info, 2. Billing info, 3. Patient information, 4. Clinical history, 5. Informed consent, 6. Share results (highlighted in red), and 7. Confirm order. Below the progress bar, there are two sections: 'Colleagues:' and 'Share results with:'. Under 'Colleagues:', there is a search bar with 'Filter...' and a magnifying glass icon. Below the search bar, a red box highlights a search result: 'Doctor Name Surname' with the email 'doctor.test@myhospitalname.com' and a plus sign icon to its right. At the bottom of the form, there are buttons for 'Previous', 'Cancel order', 'Save as draft', and 'Next'.

Step 7: Submit the Order

- To complete the order, you will need to accept the general terms mentioned and submit the order
- You can always save your order as a draft and fill out the missing details later

The screenshot shows the 'Create Order ID 109458' form. At the top right, it says 'Patient: surname, name, 2020-02-02'. Below that, 'Aorta Panel, CA1001' and 'Panel tier: medium' are displayed, along with 'Number of genes: 53'. A progress bar at the bottom has seven steps: 1. Order info, 2. Billing info, 3. Patient information, 4. Clinical history, 5. Informed consent, 6. Share results, and 7. Confirm order (highlighted in red). Below the progress bar, there is an 'Order summary' section. Under 'Order summary', it says 'Aorta Panel', 'Panel tier: medium', 'Gene count: 53', and 'Analysis: Plus'. Below that, there is a paragraph of text: 'The price for the purchased services is presented at the Blueprint Genetics website. Custom pricing applies if separately agreed between your institution and Blueprint Genetics.' Below this paragraph, there is a checkbox that is checked, with the text: 'I have discussed the Informed Consent with the patient or their legal guardian and obtained any other consent from the patient that is required under the laws of my country/state and/or federal laws. I certify that the test ordered is medically necessary for the diagnosis or detection of a disease, illness, impairment, symptom, syndrome or disorder. The results of this test will be used in the medical management of the patient and/or genetic counseling of the patient and family member(s). I have read and understood Blueprint Genetics' General Terms of Service, as currently posted at <https://blueprintgenetics.com/general-terms/>. Unless there is a written agreement between the Institution and Blueprint Genetics, I accept, and have the authority to accept, these General Terms of Service on behalf of the Institution.' At the bottom of the form, there are buttons for 'Previous', 'Cancel order', 'Save as draft', and 'Submit'. A red box highlights the 'Submit' button.

Note: Once submitted, order cannot be edited. You can only add attachments and comments to a submitted order. If you need help, please contact support@blueprintgenetics.com (Global) or support.ca@blueprintgenetics.com (Canada).

- In the last step, you can print the filled requisition form together with a copy of the consent form

Create Order ID 109458 Patient: surname, name, 2020-02-02

Aorta Panel, CA1001 ordered Panel tier: medium
Number of genes: 53

Please send the sample to the address below.

Europe, Middle East, Asia and Australia Blueprint Genetics Oy Samples Keilaranta 16 A-B 02150 Espoo FINLAND	US and South America Blueprint Genetics Samples 2505 3rd Ave Suite 204 Seattle, WA 98121 United States
-----------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------

Your order will be processed and you will receive a notification by email when results are ready.
To see the status of the sample, please login later.

General terms

Tip: Remember to submit the order before you send the sample so we can start processing your order as soon it reaches our laboratory.

Step 7: Collect, Label and Send the Sample

1. Collect the sample

Accepted sample types:

- EDTA blood, min 1 ml
- Purified DNA, min 2 µg (4 µg*) with a minimum concentration > 20 ng/µl (optimal concentration 20 – 150 ng/µl)
- Saliva (Oragene DNA OG-500/OGD-500 or OG-575/OGD-575 kit) ● Buccal swab (ORAc collect DNA OCR-100/ ORAc collect Dx OCD-100 kit)

2. Label

- Remember to label the sample with the same 2 unique identifiers that are also included on the requisition form
- Make sure to leave the expiration date and lot number of the tube visible

3. Send

- You can ship the sample via shipping method of your choosing
 - You can use Blueprint Genetics' shipping details and send your samples via our provider.
- Please contact our customer support (support@blueprintgenetics.com) to receive instructions.

A First Name
Last Name

B 2012-03-12

Shipping address:
Blueprint Genetics
Keilaranta 16 A-B,
02150 Espoo
Finland

Tip: You can order our specimen kit in Nucleus blueprintgenetics.com/order-kit/

We provide patient and institutional kits. When using our kits, you will find all needed instructions in the kit.

A First Name
Last Name

C 24-11-3445

* First Name: First Name	* Last Name: Last Name A	* DOB: 2012-03-12 B	Patient ID/MRN: 24-11-3445 C
--------------------------	---------------------------------	----------------------------	-------------------------------------

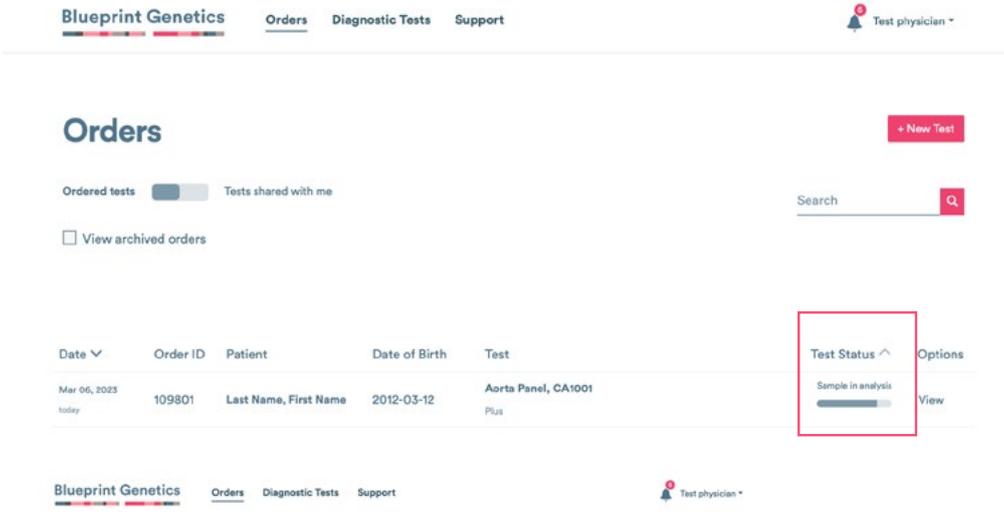
B 2012-03-12

C 24-11-3445



All done!

- After submitting the order, you can track its status in Nucleus. We will inform you when we receive your sample, when it proceeds to analysis and when the report is ready
- You will get a notification if the sample is put on hold, and you may be contacted by our customer service
- If you do not wish to receive email notifications about the sample status, you can change this by going to your, "Account Settings," in Nucleus and selecting relevant notifications



Account settings

Email notification settings

Notification emails are turned on for:

- New order
- Test shared with you
- Order on hold
- Sample in analysis
- Connecting clinicians
- Results ready
- Follow up reports
- Sample received

[Change notification settings](#)

Where to Find Results?

Orders



- Log in to Nucleus
- You can access the results and track the status of your order under the 'Orders' tab
- Colleagues with whom you have shared the results, can view them in the 'test shared with me' tab

Questions? Contact us!

Global

Phone: +358 40 2511 372
Fax: +358 9 8565 7177
support@blueprintgenetics.com

Canada

Phone: +1 (833) 697-4665
Fax: +1 (650) 446-7790
support.ca@blueprintgenetics.com

You can find more information about ordering in Nucleus blueprintgenetics.com/nucleus

Blueprint Genetics

Customizing the Panel (1/2)

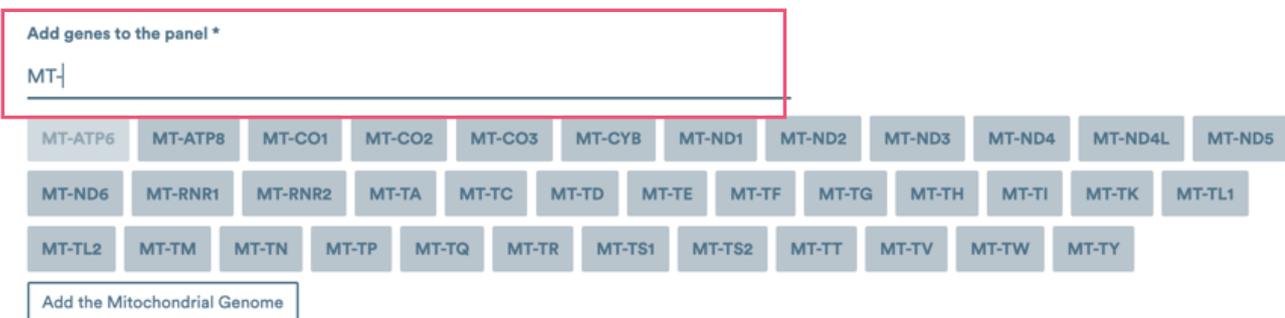
Step 1: After choosing the base panel, select ‘Customize the panel’. Panels can be customized only when ordering in our online ordering portal, Nucleus.



Step 2: Type gene name and select the genes that you want to add



Tip: If you are looking for Mitochondrial genes, type MT- You can add all Mitochondrial genomes with one click



Customizing the Panel (2/2)

Tip: You can see the removed genes included in the panel and those you have just added

Included genes Click to remove/undo Remove the Mitochondrial Genome

ABCC6*	ABL1	ACTA2	ADAMTS10	ADAMTS17	ADAMTS2#	ADAMTSL4	ALDH18A1	ATP7A	B3GAT3*#	BGN	CBS	COL1A1		
COL1A2	COL2A1	COL3A1	COL4A5	COL5A1	COL5A2	COLGALT1	EFEMP2	ELN	ENPP1	FBLN5	FBN1	FBN2	FKBP14	
FLNA	FOXE3	GATA5	HCN4	LOX	MAT2A*	MED12	MFAP5	MYH11	MYLK*	NOTCH1	PLOD1	PLOD3	PRKG1	SKI
SLC2A10	SLC39A13	SMAD2	SMAD3	SMAD4	SMAD6	TGFB2	TGFB3	TGFBR1	TGFBR2	ZDHHC9				

Add genes to the panel *

MT-

MT-ATP6	MT-ATP8	MT-CO1	MT-CO2	MT-CO3	MT-CYB	MT-ND1	MT-ND2	MT-ND3	MT-ND4	MT-ND4L	MT-ND5	
MT-ND6	MT-RNR1	MT-RNR2	MT-TA	MT-TC	MT-TD	MT-TE	MT-TF	MT-TG	MT-TH	MT-TI	MT-TK	MT-TL1
MT-TL2	MT-TM	MT-TN	MT-TP	MT-TQ	MT-TR	MT-TS1	MT-TS2	MT-TT	MT-TV	MT-TW	MT-TY	

Add the Mitochondrial Genome

Added genes Click to remove

MT-ATP6	TRAF3IP1
---------	----------

Step 3: Provide clinical reasoning for panel customization

Clinical reason for the custom panel *

Please provide the relevant clinical information that lead to the request for customization of the panel. Please note this information is required.

Clinical reason is...

Step 4: You can save a customized panel using a unique name. Please note, that given name will not be included in the clinical report. Once saved, you can order this panel again.

Save selection as	Aorta Panel Flexed v1
<small>Save customized panel for later reuse. Leave empty if you don't want to save.</small>	

You will find saved flexed panel under test selection.

New test

Panels	Whole Exome Sequencing	Variant Specific Testing	Single Gene Tests
--------	------------------------	--------------------------	-------------------

Find a test Q

My Saved FLEX Panels

Aorta Panel Flexed v1 (Aorta Panel)	medium	Order	Delete
-------------------------------------	--------	--------------------	---------------------