NIPT
Sampling instructions

Contents of NIPT kit

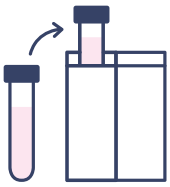
- Blood sampling tube in an absorbent holder
- Impermeable protective biohazard bag
- Ambient gel wrap insulator
- Aluminium-coated insulated pouch

Important information

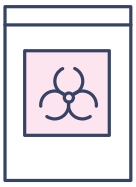
Barcodes on the cover of the box, on the data form of the patient and on the test tube **MUST BE IDENTICAL**.

NIPT kit (and all its contents) must be stored at **ROOM TEMPERATURE** at all times.

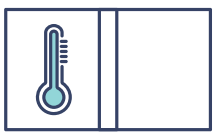
Only **ONE BLOOD SAMPLE** can be stored in each NIPT kit/ box.



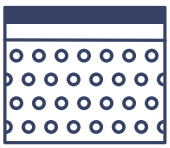
Tube in an absorbent pocket



Biohazard bag



Ambient gel wrap insulator



ALU foil insulation pouch



Data entry into the NIPT web application

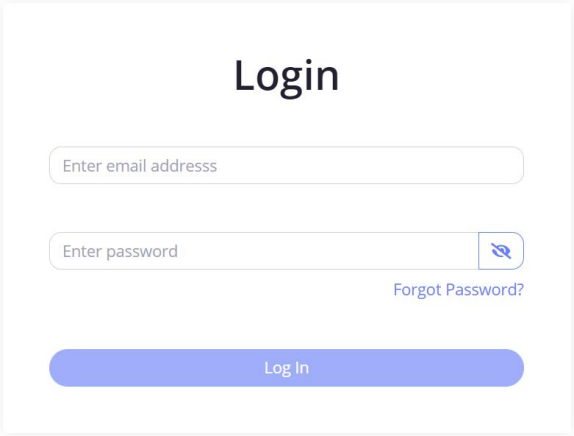
Signing of the digital consent form

Blood sampling

Shipment preparation

1 DATA INPUT IN WEB APPLICATION

- Enter the address: **doctors.geneplanet.com** in a web browser (Chrome or Mozilla Firefox are recommended).
- Sign in with your username and password. If you do not remember the password click on the Forgot password? and follow the instructions.
- Select the language in the lower left corner.
- To insert a new patient, select the Add patient tab. Please fill out the required fields and press Save button. **Detailed instructions for entering new patients are at the end of this document.**
- If you notice an error in your data input, you can correct the information in the tab Patients. Select patient and click on the icon in the Edit column. Editing is possible only on the day of patient entry.



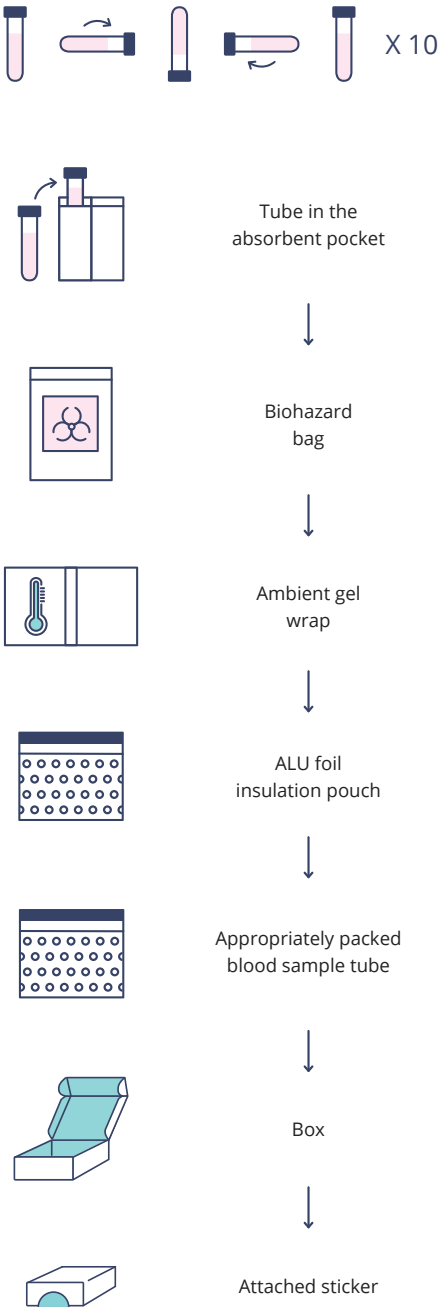
2 SIGNATURE OF THE DIGITAL CONSENT FORM

- After the data input in the web application, a link to a digital consent form will be sent to the patient's email address. Please ensure that the correct email address is entered in the patient data input section.
- The patient is required to sign and confirm the digital form. After completing the signature, the patient will receive the confirmation to the provided email address. The signed form will also be sent to the email address set in the partner's account settings in the web application.



3 BLOOD COLLECTION

- The blood sample must be taken into a special vacuum tube containing a stabilizing liquid. You can find it in the blood collection kit.
- Before venipuncture, check again that the tube is marked with the same barcode as entered in the web application.
- The volume of the tube is 10 ml. Please fill the tube to the top.
- After taking the blood sample, gently turn the tube (10x) to mix the blood with the stabilizing liquid.
- Insert the blood sample tube into the absorbent pocket and seal it into the biohazard bag. Insert the bag with the tube into the gel wrap and into the ALU foil isolation envelope.
- Insert the envelope in the kit and close the box and attach the sticker to secure the box, insert it into the courier bag or other packaging and close it.
- Keep the blood sample at room temperature until the arrival of the courier. **Do not store the test tubes in a refrigerator or a freezer**.



4 SHIPPING

Order a courier

- Call a courier for pick-up. You can also order pick-up a day or more in advance, before taking a blood sample.

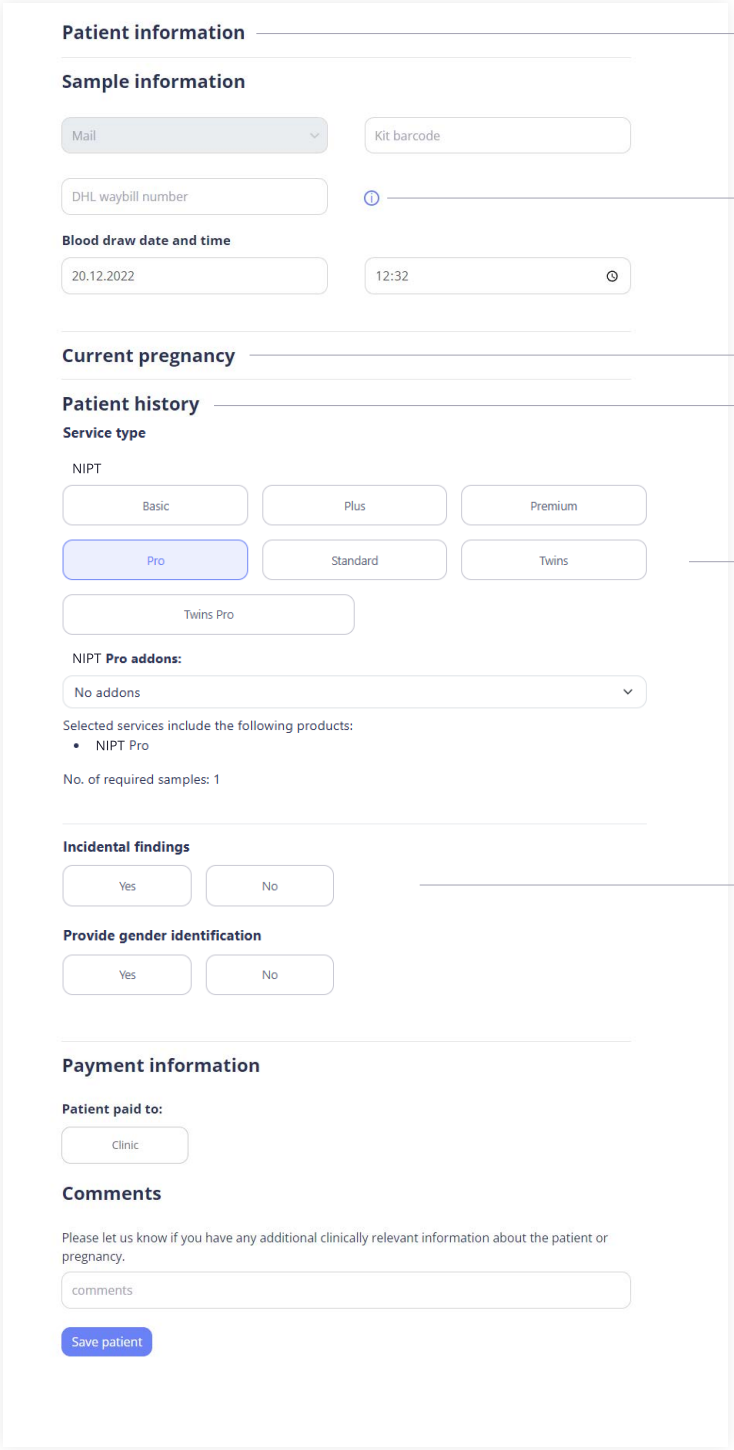
  The latest possible pickup time varies by location. To avoid delays or inconveniences, please contact your courier, who will inform you of the latest possible pickup time at your location.

  Order pick-up on the same day or within 12 hours of taking the blood sample.

- Hand over the shipping bag with a box containing a blood sample to the courier.

  If you have more samples on the same day, please send all samples with the same shipment (in the same bag).

Instructions for new patient input



Please enter the patient's personal information.

If you are using DHL, enter the DHL tracking number. It is located below the barcode on the DHL load list. If you are using another courier service, enter 000000. Click the icon with an image of a question mark for help.

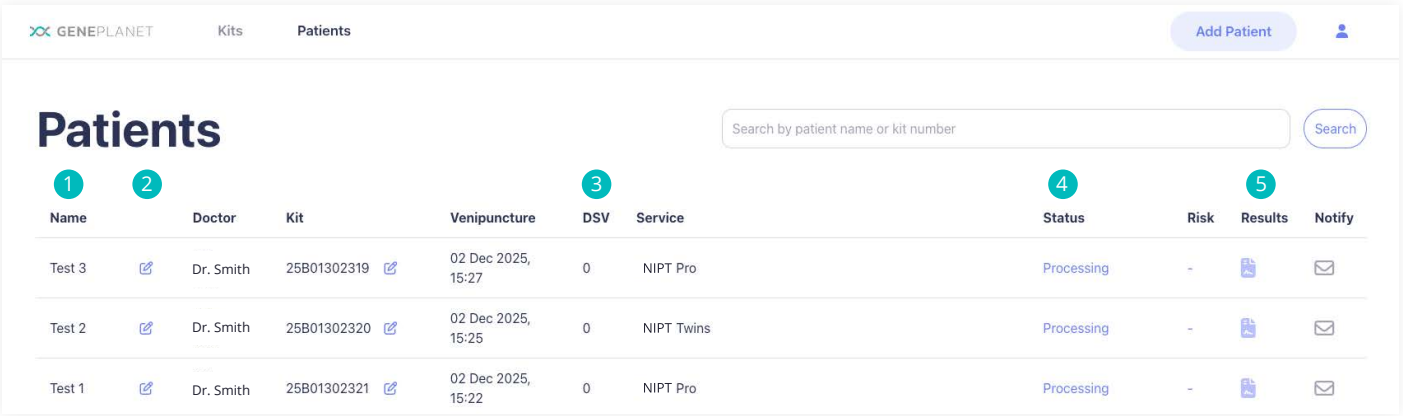
Please enter the required information about the patient's current pregnancy.

Please enter the patient's previous pregnancies with genetic defects, presence of genetic diseases in the family, or if the patient is a carrier of genetic diseases.

Select your GenePlanet test package, including any add-ons. If selected, they will be performed from the same sample.

Select if the patient wants to receive the information about incidental findings and gender.

Instructions for new patient input



1. List of patients.
2. Editing information about patients. Editing is only possible on the day the patient has been entered into the platform. Display a form with patient information.
3. Days since venipuncture.
4. Status of the analysis.
5. View the results by clicking on the icon.

IMPORTANT NOTES FOR SENDING NIPT SAMPLES

At Life Genomics, we prioritize **GDPR compliance** and take patient data protection seriously. To ensure the highest standards, please follow these guidelines when handling NIPT by Life Genomics samples:

1. Barcode System: We employ a secure barcode system for our NIPT kits, consent forms, and blood tubes. This system ensures that personal data remains separate from DNA samples.
2. Inserting patient information into screening application: Inserting patient information into our screening application **immediately** after venipuncture is crucial. Failure to do so means our laboratory cannot analyze the sample, as treatment details must be entered for proper processing.
3. Patient Data Exclusion: **Do NOT include ANY patient data** in the NIPT kit, such as writing the patient's name on the blood collection tube or including photocopies of patient documents inside the kit.
4. Other Medical Test Results: Please **do NOT include** patient test results from other medical tests in the NIPT kit. Instead, you can seamlessly **insert any relevant medical information directly into our screening application.**

Thank you for your diligence in maintaining patient privacy and data security.

ABOUT THE TEST

Expected turnaround time for results: **6-10 working days**.

Laboratory address:

Att: Eva Arkblad

Odinsgatan 28

411 03 Göteborg

Tel: +46 31 749 36 50

Life Genomics is open weekdays 8.00 – 15.00.

Access to advice on referrals and interpretation of results can be found at **info@lifegenomics.se** and telephone **+46 31 749 36 50**. Any complaints or improvement proposals are communicated to us in the same manner and handled by us according to our procedures for complaints. Read more about our complaints handling process at **https://www.lifegenomics.se/kontakt/.**

The test cannot be performed in the following cases:

- Gestational age is less than 10 weeks
- Pregnancies with 3 or more fetuses
- Vanishing twin syndrome, if less than 8 weeks have passed between the end of the developmental arrest and test sampling, or if the developmental arrest occurred after week 8 of pregnancy
- If the patient received blood transfusion less than 1 year before the test sampling
- In case of cellular immunotherapy with exogenous DNA or human serum albumin therapy, if less than 4 weeks have passed before the test sampling
- If the patient has undergone stem cell therapy, has received bone marrow or solid organ transplant, has an active malignancy, or has abnormal karyotype

The reliability of the test may be reduced in case of high maternal body mass index.

If the patient has a therapy with heparin or its analogues, a 24-hour pause is needed before collecting the blood sample.

Acceptance criteria for sample:

- Blood sample in cwBio-tube. Blood volume more than 5 mL.
- Less than 5 days between taking the sample and the sample arriving at the laboratory.
- Maximum of moderate hemolysis.
- None of the conditions stated above under “Test cannot be performed”.

Dispose the materials used in the collection process according to the routines of the clinic.