



Blood and Transplant



# Antenatal screening and diagnostics

Comprehensive • Affordable • Convenient

NHS Blood and Transplant (NHSBT) offers a unique suite of antenatal screening and diagnostic services. Designed to fit with your hospital routines, we deliver a fully accredited, integrated, state-of-the-art service with 24/7 decision support, assuring you of responsive, cost-effective testing to the highest standards.

## Our offer

### Affordability

- ✓ We are a 'not for profit' organisation
- ✓ We leverage our national testing capacity to pass on unrivalled economies of scale
- ✓ We don't charge for:
  - ABO and microbiology sample tubes
  - transport to NHSBT
  - serological screening when further investigation is indicated
  - initial confirmatory microbiological testing
  - 24/7 expert advice
- ✓ Avoid the cost of unnecessary prophylaxis for women with D negative fetuses

### Expertise

- ✓ State of the art diagnostics
- ✓ Real-time decision support from medical consultants

### Convenience

- ✓ We're local – access our service via your RCI laboratory
- ✓ View and download results via the Sp-ICE app in the lab, in the clinic, in the community
- ✓ We take care of regulatory and policy compliance<sup>1</sup>
- ✓ Fail-safe processes ensure follow-up where indicated
- ✓ Antenatal screening does not require an additional contract, so you can take advantage of the service without delay<sup>2</sup>
- ✓ We automatically investigate screen-positive samples
- ✓ Access to historic results on NHSBT's national database via Sp-ICE
- ✓ All services available throughout pregnancy for late bookers

1. Includes ISO15189, BSH, RCOG and IDPS guidelines

2. Your existing Blood and Blood Components SLA already includes antenatal testing.

**You can rely on us: we'll help make your budgets go further, and deliver peace of mind.**

# Our service

## Blood group serology

- ✓ Fully automated ABO and D typing and antibody screening
- ✓ Women automatically identified for fetal genotyping
- ✓ Antibody identification and quantitation
- ✓ Automated upload of results to Sp-ICE
- ✓ Results available within three working days of sample receipt
- ✓ Expert advice from medical and scientific specialists

## Microbiology

- ✓ Screening for hepatitis B, HIV and syphilis
- ✓ Automated upload of negative results to Sp-ICE
- ✓ Results available within three working days of sample receipt
- ✓ Automatic referral of screen-positive samples for confirmation<sup>3</sup>
- ✓ Urgent results reported by phone and by hard copy
- ✓ 24 hour clinical support available

## Fetal *RHD* screen

- ✓ Non-invasive fetal *RHD* screen for women without anti-D or anti-G antibodies<sup>4</sup>
- ✓ Fetal *RHD* screening samples can be taken from 11+2 weeks gestation onwards
- ✓ Results available on Sp-ICE within 14 days of sample receipt

## Fetal genotyping – diagnostic test

- ✓ Non-invasive fetal genotyping for alloimmunised pregnant women
- ✓ *RHD*, *C*, *c* & *E* typing available from 16 weeks gestation
- ✓ *K* typing from 20 weeks gestation – confirmation at 28 weeks for *K*-negative predictions
- ✓ Results are available on Sp-ICE within seven days of sample receipt

## Feto-maternal haemorrhage

- ✓ Flow cytometric screening and quantitation of fetal maternal haemorrhage (FMH)
- ✓ Advice on administration of prophylactic anti-D
- ✓ Screening results available within 48 hours of sample receipt

## Other fetal disorders

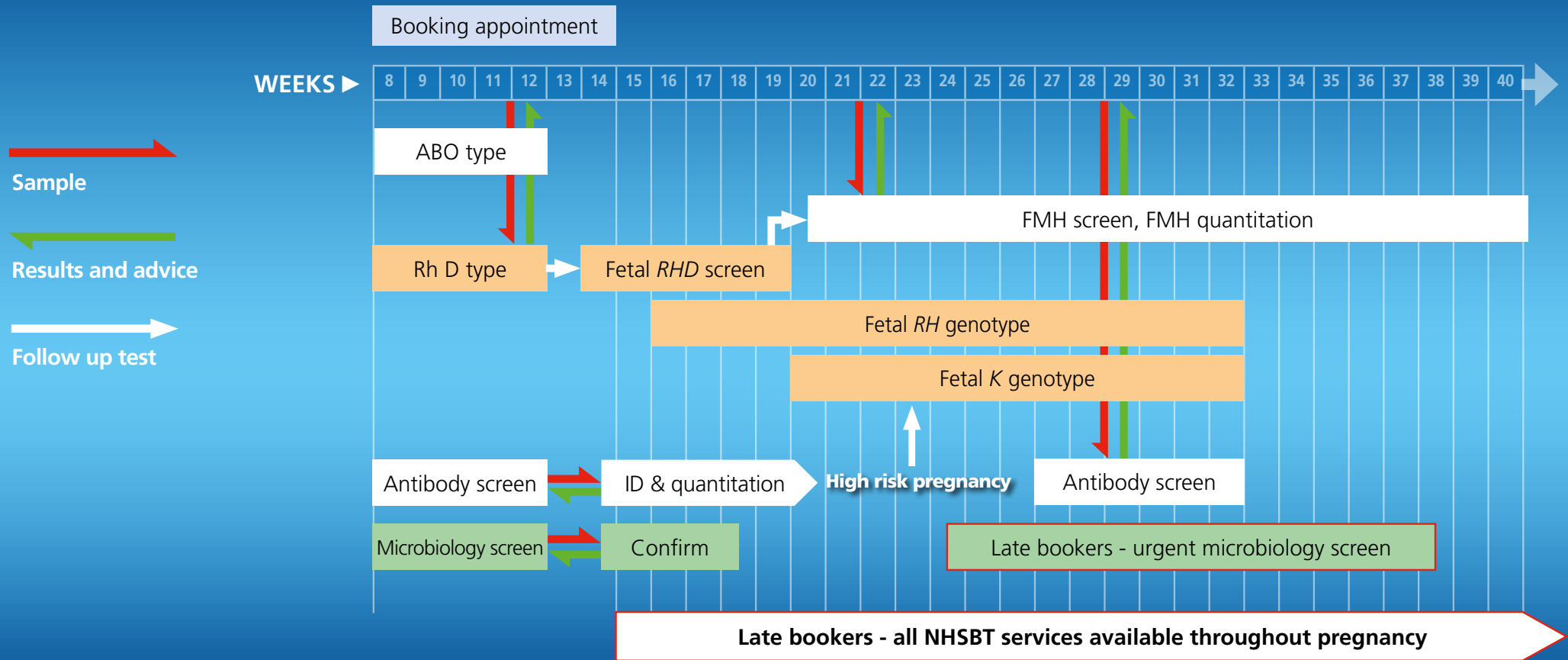
- ✓ Diagnosis of neonatal alloimmune thrombocytopenia
- ✓ Diagnosis of neonatal alloimmune neutropenia
- ✓ Diagnosis of inherited platelet function disorders

3. Microbiology confirmatory testing is provided by a NHS partner organisation

4. A NICE-recommended test to identify women carrying a D negative fetus; prophylactic administration of anti-D is unnecessary in these cases

Contact our team to discuss enhancing the quality of your antenatal services, whilst saving money.  
Email [antenatal.services@nhsbt.nhs.uk](mailto:antenatal.services@nhsbt.nhs.uk)

# NHSBT antenatal screening and diagnostics



**NHS Blood and Transplant** is a special health authority responsible for 'saving and improving lives' by providing a safe, reliable and efficient supply of blood components, stem cells and diagnostic services to healthcare providers in England and solid organs and tissues across the UK.

We provide a range of **diagnostic and therapeutic services**, to other NHS organisations, including stem cell and tissue products, laboratory services, and specialist treatments such as therapeutic apheresis for patients with particularly complex needs. To find out more visit [nhsbt.nhs.uk/antenatal-services/](https://nhsbt.nhs.uk/antenatal-services/)