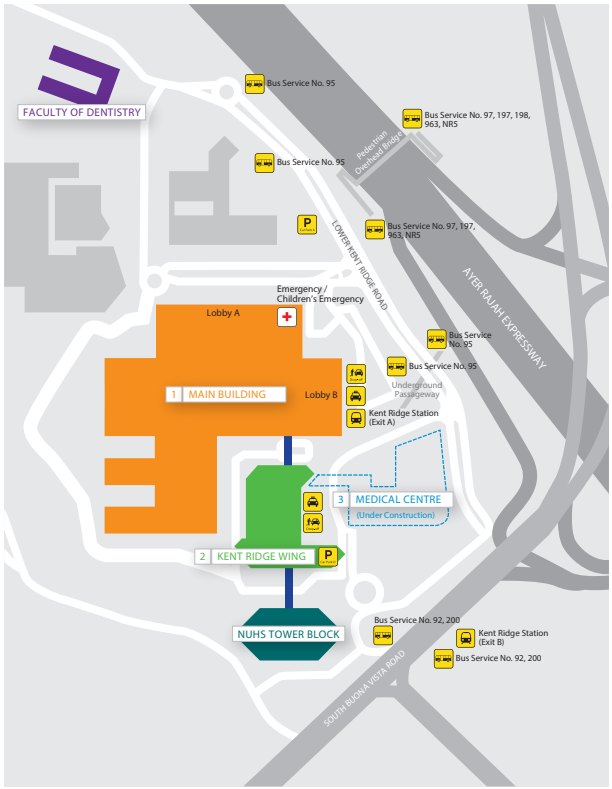
Contact Us

NUH Women's Clinic
Kent Ridge Wing 2, Level 3

Tel/Appointment	: 6772 2255 / 2277
Fax	: 6778 8683
Email	: Womens_clinic@nuhs.edu.sg
Website	: www.nuhgynae.com.sg

Location

National University Hospital
5 Lower Kent Ridge Road, Singapore 119074
Tel: (65)6779 5555 Fax: (65)6779 5678
Website : www.nuh.com.sg
Co. Reg. No. 198500843R



Information in this brochure is given as a guide and should not replace medical advice from your doctor. Please seek the advice of your doctor if you have any questions relating to the surgery, your health or medical condition.

Information is correct at time of print (Sept 2012) and subject to revision without notice.

NUH
National University Hospital

NUH Women's Centre
Is My Answer

Same day amniocentesis results

Same day amniocentesis results

*Flash*FISH™ is a new technology introduced by NUH, where patients can receive the results of their amniocentesis test on the same day.

Usually, the fastest amniocentesis test result can be delivered in between 24 to 48 hours, using traditional FISH (fluorescence in situ hybridisation) technology. On the other hand, the longest turnaround can be up to three weeks using conventional chromosome analysis (karyotyping), which is the standard technique to detect a range of fetal abnormalities.

*Flash*FISH™ can deliver the result in just three hours – and help allay anxieties and provide timely relief to our patients, knowing that their babies are not at risk of abnormalities.

Who will need *Flash*Fish™ ?

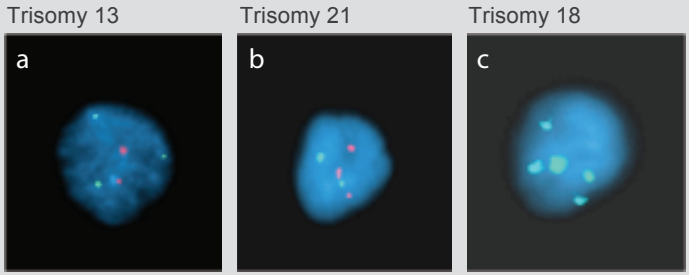
Approximately 5% of all pregnant mothers will require amniocentesis which is usually performed between 15 - 16 weeks of the pregnancy.

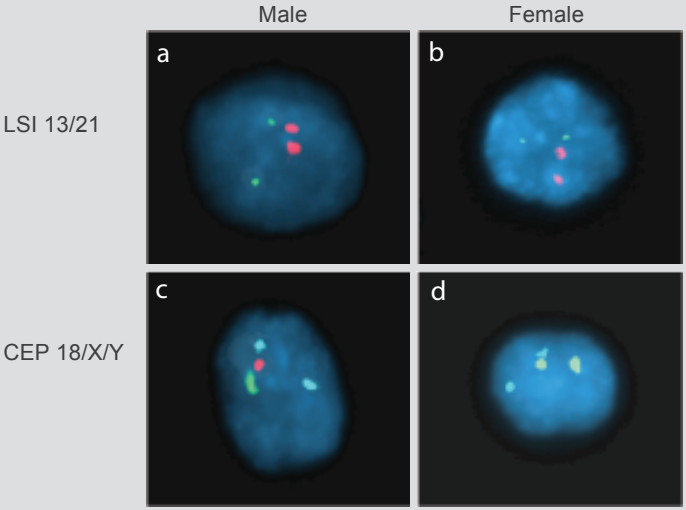
Beside amniocentesis, *Flash*FISH™ also is recommended for expectant mothers who are undergoing invasive testing such as fetal blood sampling.

How does *Flash*FISH™ work?

Chromosomes 13, 18, 21, X, and Y in each fetal cell are tagged with their respective fluorescent-labeled probes. These probes are synthetic DNA sequences that are chemically labeled with different types of fluorescent signals of different colours. This enables the analyst to visualise, differentiate and count the different chromosomes under a fluorescence-enabled microscope.

A normal cell will show two signals each of chromosomes 13, 18 and 21. In a male fetal cell, one signal each of chromosomes X and Y will be visible, while in a female fetal cell, two signals of chromosome X will be visible. In a fetus with trisomy 21 i.e. Down syndrome, there will be 3 signals of chromosome 21 in the fetal cell.





What can *Flash*FISH™ test for?

*Flash*FISH™ can test for common fetal chromosomal abnormalities such as Down syndrome (trisomy 21), Edward syndrome (trisomy 18), Patau syndrome (trisomy 13), Klinefelter syndrome (XXY) and Turner syndrome (X only).

What does the procedures involve?

We will use 2ml of your amnio fluid (when you do the amniocentesis) to test for results.