

Dear Doctors/Users of Medical Laboratory services,

We are pleased to offer our screening and diagnostic services as follow:

No	Test	Description	Specimen	Turnaround Time
1	First Trimester Screening (FTS)	<p>FTS is a non-invasive <i>screening</i> test carried out on maternal serum obtained in first trimester pregnancy (between 11w0d and 13w6d gestation), to provide a service involves a risk calculation derived from combination of two biochemical placental markers; free Beta hCG and PAPP-A combined with the ultrasound marker Nuchal Translucency (11w0d-13w6d gestation) for the screening of the three most common fetal chromosomal abnormalities, namely, Trisomy 21(Down's Syndrome), Trisomy 18 (Edwards' Syndrome), and Trisomy 13 (Patau's Syndrome). Detection rate >90%¹.</p> <p>PerkinElmer's DelfiaXpress instrument and first trimester assays are approved by Fetal Medicine Foundation (FMF), UK.</p>	5ml Maternal Blood (Plain Tube)	Report will be faxed within 3 Working Days
2	Second Trimester Screening (STS)/ Beta Triple Test	<p>Screening test carried out on maternal serum obtained in second trimester pregnancy (between 15w0d-20w6d). Includes a risk calculation derived from combination three biochemical markers:-</p> <ul style="list-style-type: none"> • Alpha-fetoprotein (AFP) • Free Beta hCG • Unconjugated Estriol (uE3) <p>PerkinElmer's 2nd trimester screening markers have shown the best performance in the UK EQAS quality control program since December 2002</p>	5ml Maternal Blood (Plain Tube)	Report will be faxed within 3 Working Days
3	Chromosomes-Check (Rapid Aneuploidy Detection)	<p>Diagnostic test carried out on amniotic fluid cells, chorionic villus or foetal blood obtained in pregnancy. This rapid diagnostic tests for most common autosomal aneuploidies:-</p> <ul style="list-style-type: none"> • Trisomy 21 (Down's Syndrome) • Trisomy 18 (Edward's Syndrome) • Trisomy 13 (Patau's Syndrome) • Sex chromosomal aneuploidies (Klinefelter -XXY, XXX and XYY). (Detection rate:- 99.9%²) <p>Please included maternal blood if specimen is contaminated with blood.</p>	5ml Amniotic Fluid/ 30mg CVS (Sterile Container)	Report will be faxed within 3 Working Days
4	Karyotype Analysis	A snapshot of all chromosomes to identify a wide range of chromosomal abnormalities, including alterations in copy number (aneuploidy) as well as chromosomal rearrangements, such as translocations, deletion and inversions.	15ml Amniotic Fluid/ 30mg CVS (Please call hotline for further details)	Report will be faxed within 2 Weeks
5	HPV DNA Genotype	<p>This test screens for :-</p> <ul style="list-style-type: none"> • 15 "high risk" HPV genotypes including 16, 18, 31, 33, 35, 39, 45,51, 52, 53, 56, 58, 59, 66, 68. • 5 "low risk" HPV type including 6, 11, 41, 42, 44 which are responsible for ~90% of all cases of genital warts. 	Cervical Swab (Transportation Medium)	Report will be faxed within 3 Working Days
6	LBC	Liquid Based Cytology (LBC) is the new cervical cell collection technique developed from the conventional method, the pap smear. LBC improves sample collection as it has the technology to clean the specimens thus enabling clean observation of cells.	Cervical Swab (Transportation Medium)	Report will be faxed within 5 Working Days
7	DNA Identification/ Paternity Test	<p>DNA profiling with STR markers used internationally.</p> <p>* Please use paternity test request form DNA lab. Call to request. This test is not designed for legal proceedings.</p>	5ml EDTA Blood/ 2-3ml Amniotic Fluid	Report will be faxed within 5 Working Days

References

1. Nicolaides K.H., The 11 – 13⁺⁶ weeks scan, Fetal Medicine Foundation 2004, Introduction page.
2. Mann K. Strategies for the rapid prenatal diagnosis of chromosome aneuploidy (2004) Eur. J. Hum. Genet. 12, 907-915

Sample Collection : Specimen will be collected by DNALAB. Please include a completed request form and consent form (for test no. 3 & 4). Pick Up **HOTLINE : 019-600 2700**

Contacts : For further enquiries, please contact:
Ms Penelope Ngu (HQ) at 019-262 0288, Mr Calvin Thien (HQ) at 019-669 8828 or 019-736 2700 (Southern region), 019-265 3700 (Central region) or 019-217 2700 (Northern region).

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