

Down's Syndrome Screening

General Information:

Laboratory Name	Obstetrics Screening Laboratory															
Laboratory Address	Room 20-21, 2/F, Dept O&G, South Wing, Li Ka Shing Specialist Clinic, Prince of Wales Hospital, Shatin, New Territory, Hong Kong															
Contact Tel.	852-35054217															
Contact Fax.	852-27252638															
Contact email	obsscreening@cuhk.edu.hk															
Opening Hours	09:00-13:00, 14:00-17:00 Mon – Fri except public holiday															
Scope of Service	<p style="text-align: center;">1. Chemical Pathology, serum testing on</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">First Trimester Pregnancy</th> <th style="width: 50%;">Second Trimester Pregnancy</th> </tr> </thead> <tbody> <tr> <td>Free beta subunit of Human Chorionic Gonadotropin (fβ-HCG)</td> <td>Alpha-fetoprotein (AFP)</td> </tr> <tr> <td>Pregnancy-associated plasma protein A (PAPP- A)</td> <td>Free beta subunit of Human Chorionic Gonadotropin (fβ-HCG)</td> </tr> <tr> <td></td> <td>Human unconjugated estriol (uE3)</td> </tr> <tr> <td></td> <td>Inhibin A</td> </tr> </tbody> </table> <p style="text-align: center;">2. Down Syndrome Screening Risk Report</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">First Trimester Combined Down Syndrome Screening</th> <th style="width: 50%;">Second Trimester Biochemical Down Syndrome Screening</th> </tr> </thead> <tbody> <tr> <td>The above 2 biochemical</td> <td>The above 4 biochemical</td> </tr> </tbody> </table>		First Trimester Pregnancy	Second Trimester Pregnancy	Free beta subunit of Human Chorionic Gonadotropin (fβ-HCG)	Alpha-fetoprotein (AFP)	Pregnancy-associated plasma protein A (PAPP- A)	Free beta subunit of Human Chorionic Gonadotropin (fβ-HCG)		Human unconjugated estriol (uE3)		Inhibin A	First Trimester Combined Down Syndrome Screening	Second Trimester Biochemical Down Syndrome Screening	The above 2 biochemical	The above 4 biochemical
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	tests in combination of nuchal translucency by ultrasound sonography	tests in single panel.						
3. Others: First Trimester Down Syndrome Screening (Rare occasion)								
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Sample Reception	Before 15:00 daily when open							

Patient Target Group:

	First Trimester Combined Down Syndrome Screening	Second Trimester Biochemical Down Syndrome Screening
Age	15 - 55	15 - 55
Gender	Female	Female
Gestation Period	11w0d to 13w6d	15w0d to 20w0d
Singleton Pregnancy	Yes	Yes
Twin Pregnancy	Yes	No
Ultrasound Sonography	Crown Rump Length (CRL) and Nuchal Translucency (NT) by UK FMF licensed sonographer	<i>Not applicable</i>
Crown Rump Length (CRL)	42.0 – 84.0 mm	<i>Not applicable</i>

Sonographer Preparation:

	First Trimester Combined Down Syndrome Screening	Second Trimester Biochemical Down Syndrome Screening
1.	Sonographer should be UK FMF licensed.	<i>Not applicable</i>
2.	Sonographer should establish a unique ID account in the laboratory database in advance via contact at < admin_obsscreening@cuhk.edu.hk >	
3.	Annual recertification in UK FMF is necessary to maintain valid practice.	