

## Down's Syndrome Screening

### General Information:

<b>Laboratory Name</b>	Obstetrics Screening Laboratory	
<b>Laboratory Address</b>	Room 20-21, 2/F, Dept O&G, South Wing, Li Ka Shing Specialist Clinic, Prince of Wales Hospital, Shatin, New Territory, Hong Kong	
<b>Contact Tel.</b>	852-35054217	
<b>Contact Fax.</b>	852-27252638	
<b>Contact email</b>	obsscreening@cuhk.edu.hk	
<b>Opening Hours</b>	09:00-13:00, 14:00-17:00 Mon – Fri except public holiday	
<b>Scope of Service</b>	<b>1. Chemical Pathology, serum testing on</b>	
	<b>First Trimester Pregnancy</b>	<b>Second Trimester Pregnancy</b>
	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
	<b>2 . Down Syndrome Screening Risk Report</b>	

	<b>First Trimester Combined Down Syndrome Screening</b>	<b>Second Trimester Biochemical Down Syndrome Screening</b>
	The above 2 biochemical tests in combination of nuchal translucency by ultrasound sonography	The above 4 biochemical tests in single panel.
	<b>3. Others: First Trimester Down Syndrome Screening (Rare occasion)</b>	
	<b>Type of Reports</b>	<b>Applicable to situation when</b>
	NT only	<ol style="list-style-type: none"> <li>1. Singleton pregnancy and subject refuses blood taking or is difficult to draw blood.</li> <li>2. Vanishing twin pregnancy with demised fetus &gt;6 weeks or fetal pole seen.</li> <li>3. Triplet pregnancy.</li> </ol>
<b>Sample Reception</b>	Before 15:00 daily when open	

**Patient Target Group:**

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

**Sonographer Preparation:**

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