

MEDICAL BIOCHEMISTRY

Have you labelled the specimen correctly?
 Press firmly on each end to ensure a leakproof specimen carrier

Request card for combined screening for Down's, Edwards' and Patau's syndromes in singleton and twin pregnancies
 Request card for quadruple screening in singleton pregnancies for Down's syndrome only

Patient's ID Number _____		Hospital and Lead Professional _____	
Patient NHS Number _____		LAB USE _____	
Surname _____		LAB USE _____	
Forename _____		LAB USE _____	
Address _____		LAB USE _____	
PostCode _____		LAB USE _____	
DoB / /		LAB USE _____	
Requester's Signature: _____ Print Name _____ Date / /			
SCAN MEASUREMENTS			
SINGLETON / TWIN 1 MEASUREMENTS		IF TWIN PREGNANCY Type: Monochorionic/Dichorionic/Unknown	
CRL _____ mm (45.0mm – 84.0mm)		TWIN 2 MEASUREMENTS	
NT _____ mm		CRL _____ mm (45.0mm – 84.0mm)	
HC _____ mm (88.0mm – 147.0mm)		NT _____ mm	
DATE OF SCAN / /		Sonographer Code _____	
MATERNAL WEIGHT _____ Kg (to 1 decimal place)			
Please circle <u>any of the following that apply</u> as they will need to be adjusted to provide an accurate result			
SMOKING	YES	NO	DIABETES INSULIN None Type 1 Type 2 YES NO YES NO
MATERNAL ORIGIN – Maternal Parents or Grandparents		ASSISTED REPRODUCTION	
Black		IVF Own Egg	IVF Donor Egg
Indian/Pakistan/Bangladesh	East Asian	Date egg harvested / /	Age of egg donor at harvest / /
		Transfer date / /	Transfer date / /
COLLECTION INFORMATION (Sample Type: Serum)			
Specimen taken by (Please print): _____			
Date of Collection: / / Time: _____			

Patient ID
 Clear identification of the patient is required to ensure results are attributed to the correct individual

DOB
 Maternal date of birth forms the basis of the Down's, Edwards'/Patau's risk calculation

Scan measurements
 It is important to accurately date the pregnancy because the biochemical markers vary with gestational age. Scan measurements should be supplied correct to 1 decimal place. A CRL or HC is required for the quadruple screening test. (A NT measurement is **not** required)

Smoking
 There are differences in serum concentrations of some biochemical markers in smokers which affect the calculated risk. It is important to inform the laboratory so that an adjustment to the risk calculation can be made

Ethnic Origin
 There are slight differences in the serum concentrations of some biochemical markers between ethnic groups. Where there is a known effect this will be taken into account in the Down's, Edwards'/Patau's chance calculation. The ethnic origins listed on the form are the ones that the laboratory needs to make a small adjustment for (see adjacent list)

Date of collection
 It is essential to date the sample because the biochemical markers vary with gestational age and for the laboratory to know the age of the sample.

Assisted reproduction
 The age of the egg donor or the mother when the egg was harvested will be used in the Down's, Edwards'/Patau's risk calculation

Lead Professional/hospital
 Clear details of where to send the report are required. Please state if Royal Glam or Royal Gwent. RG is not sufficient.

Requester
 Required to show patient consent obtained for Down's, Edwards'/Patau's screening

Sonographer code
 Required by DQASS

Maternal weight
 Maternal weight is proportional to blood volume. This has an effect on the concentration of biochemical markers. An accurate weight measurement (to the nearest kilogram) is needed to adjust for this

Diabetes
 There are differences in serum concentrations of some biochemical markers in people with diabetes which affect the calculated risk. It is important to inform the laboratory so that an adjustment to the risk calculation can be made

Countries of origin

- East Asian** - China, Hong Kong, Japan, Macau, Mongolia, North Korea, South Korea, Taiwan
- Black** – Black African or of Black African origin.