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DNA loc:

In before?

Initials

Referral reason:

Date of receipt:

## Mainstreaming of BRCA testing

(R208: Inherited breast cancer and ovarian cancer)

**Approved names of conditions:**

Familial breast-ovarian cancer (susceptibility to) 1 and 2

**OMIM numbers:**

#604370 and #612555

**Approved symbols of genes:**

BRCA1, BRCA2, PALB2

**OMIM numbers:**

\*113705, \*600185, \*610355

### PATIENT DETAILS

### REASON FOR REFERRAL

SURNAME

FORENAME

Please provide full clinical details including any relevant family history:

Date of birth

NHS number

Sex

Hospital number / Genetics number

Referring consultant

Hospital / Department

Clinician's contact number

NHS

Additional copies to

Private (address for invoicing):

Patient post code

GP name  
GP address
**EDTA blood only**

Date of collection    \_\_ : \_\_ : \_\_

Collected by

Address to email final report:

@nhs.net

**Referrals will only be accepted from one of the following:**

 Consultant Clinical Geneticist / Registered Genetics Counsellor 
**OR** named Multi-Disciplinary Team clinician:

 Consultant Oncologist 

 Consultant Gynaecologist 

 Consultant Breast Surgeon 

 Clinical Nurse Specialist (breast/gynaecology) 

**Please see next page for NHS England testing criteria. If the patient does not fulfil the testing criteria, the case should be discussed with Clinical Genetics (see link below).**

<https://www.uhs.nhs.uk/ourservices/genetics/genetics.aspx>
**Sample collection: please take 2-5 ml of blood in an EDTA tube and mix well by inversion.**

## ACCEPTANCE CRITERIA

### **Relevant testing criteria for clinical indication R208: Inherited breast cancer and ovarian cancer**

1. Living affected individual (proband) with breast or ovarian cancer where the individual (with or without family history) meets at least one of the criteria. The proband has:
  - a. Breast cancer (age < 30 years); OR
  - b. Bilateral breast cancer (age < 50 years); OR
  - c. Triple-negative breast cancer (age < 60 years); OR
  - d. Male breast cancer (any age); OR
  - e. Non-mucinous ovarian cancer (any age); OR
  - f. Breast cancer (age <45 years) and a first-degree relative with breast cancer (age <45 years); OR
  - g. Pathology-adjusted Manchester score  $\geq 15$  or BOADICEA score  $\geq 10\%$ ; OR
  - h. Ashkenazi Jewish ancestry and breast cancer at any age.

**Please see the National Genomic Test Directory for the complete list of testing criteria for R208.**

<https://www.england.nhs.uk/publication/national-genomic-test-directories/>

**N.B.:** Somatic testing of non-mucinous ovarian cancer tumours should be requested through **R386**.

Referrals for testing will be triaged by the Genetics Laboratory; testing should be targeted at those where a genetic diagnosis will guide management for the proband or family.

## SAMPLE COLLECTION

Please collect **2-5 ml** of blood in an **EDTA** tube. **Mix well** by inverting the tube after collection.

Details on both the referral form and the sample tube should be **complete and legible**. We reserve the right to refuse to process samples with incomplete, illegible or ambiguous patient information.

Any samples in the wrong tube or medium, or which are subject to significant delay in transit, are liable to be rejected. Blood samples from patients who have had a recent white cell blood transfusion may not be suitable for testing.

## SAMPLE DESPATCH AND TRANSPORT

Sample and referral form should be sent **together** in a secure leak-proof package according to UN3373 shipment classification and packaging instruction P650, to arrive as soon as possible after collection (e.g. by first class post, courier service or hospital transport) and **within 48 hours for optimum results**. Outside packaging should be clearly labelled '**PATHOLOGICAL SAMPLE FOR DELIVERY TO GENETICS**'.

WRGL opening hours are 9 am - 5.30 pm Mon - Fri; please inform the laboratory of any samples likely to arrive over a weekend or bank holiday, or of anything sent by courier which might arrive outside normal working hours. If there is an unavoidable delay between the sample collection and despatch, blood or tissue may be stored in a refrigerator at 4 °C.

**For current information and to download copies of our referral forms and service guides, please refer to our website: [www.wrql.org.uk](http://www.wrql.org.uk)**