**Who we are**

Majority owned by the NHS, but with the commercial freedom to invest in innovation, Viapath are on a mission to transform pathology services in the UK. We provide pathology services to the NHS, private hospitals and other organisations both across the country and internationally.

**What we do**

All our laboratories are either accredited or working towards accreditation by UKAS to ISO15189. To view our laboratory accreditation status please follow this link:

http://www.viapath.co.uk/about-viapath/quality-and-governance/accreditations

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**TEST OVERVIEW**

**Description**
Gilbert’s syndrome is a benign form of unconjugated hyperbilirubinaemia. The majority of the cases are attributed to a polymorphic variant (TA repeats) in the promoter of the UGT1A1 gene in which 7 copies (TA)\(^7\) exist instead of the usual six. The (TA)\(^7\) variant is associated with increased bilirubin levels in otherwise healthy individuals, who are at risk of developing gallstones at an early age. Gilbert’s syndrome is found in individuals with the 7/7 genotype, which can impact on a patient’s health if inherited in combination with disorders of high red cell turnover, such as sickle cell disease and thalassaemia. Individuals with an unexplained raised bilirubin (>20 µmol/L in the serum) would benefit from the investigation of Gilbert’s syndrome. The size of the TA dinucleotide repeats in the promoter of the UGT1A1 gene is assessed by a high resolution genotyping assay.

**Clinical details**
Factors affecting results or interpretation: Presence of heparin anticoagulant will inhibit PCR applications. Clotted samples are unsuitable for DNA analysis.

**Department**
Molecular Pathology Department

**Laboratory**
Red Cell Centre - Molecular Diagnostics Laboratory

**Location**
Viapath at King’s College Hospital

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**ORDERING INFORMATION**

**Sample type and Volume required**
Volume of blood anticoagulated with EDTA: Adult (16 years and above) 5 mls Children (2-15 years) 5 mls Infants (0-2 years) 2 mls Presence of heparin anticoagulant will inhibit PCR applications. Clotted samples are unsuitable for DNA analysis.

**Turnaround time**
10 working days

**Storage and transport**
Blood should be stored at 4°C where possible. Send at room temperature by first class post. If possible, please complete the request form attached and send as a hard copy (do not send electronically) with the sample. This will ensure all relevant information is available and will aid us in processing your test.

**Time limit**
5 years

**Contacts**
Red Cell Centre - Molecular Diagnostics Laboratory
020 3299 1246 / 2265
kch-tr.pnd@nhs.net
c/o Central Specimen Reception
Blood Sciences Laboratory
Ground Floor Bessmer Wing
King’s College Hospital
Denmark Hill
London SE5 9RS

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www.viapath.co.uk
020 7188 7188 (54109)
BusinessDevelopment@viapath.co.uk
GILBERTS SYNDROME TESTING
FURTHER INFO

Molecular Pathology Request Form
PDF (111.47Kb)

How can we help?

We have a number of partnering options to suit your needs, whether you require this specific test or a range of services, we are here to help. Contact one of our friendly Business Development Managers for more information, or visit our website.

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BusinessDevelopment@viapath.co.uk