



North East and Yorkshire
Genomic Laboratory Hub

Dear Colleague,

02.08.24

Re: Update on *DPYD* genotyping

We are writing to let you know that as part of the consolidation of testing across the North East and Yorkshire Genomics Laboratory Hub (NEY GLH), from **Monday 12th August 2024** all samples received into the Leeds Genetics Laboratory for *DPYD* testing will be reported by our partner GLH laboratory in Sheffield.

All blood samples will still need to come to the Leeds Genetics laboratory as normal. These will then be transported to the Newcastle genetics laboratory where the Laboratory wet work will be completed. The assay will be performed using the Agena platform to detect all clinically relevant *DPYD* variants†. Results will be released to the Sheffield genetics laboratory who will then issue the reports. Any local PPM+ reports will be sent back to the Leeds Laboratory for uploading to PPM+.

The anticipation is that you will observe no change in service and results will be emailed within 5 to 7 days of receipt of the sample in Leeds.

Samples should still be sent to the Leeds Genetics Laboratory who will initiate testing.

Enquiries about results, on samples sent after 12th August, should be directed to Sheffield Genetics who will be issuing reports – see below for contact details.

Contact Information:

Newcastle Genetics Laboratory	Newcastle Genetics Laboratory Central Parkway Newcastle upon Tyne Tyne and Wear NE1 3BZ	nuth.cancer.genomics@nhs.net 0191 2418786 www.newcastlelaboratories.com/lab-service/laboratory-cancer-services/
Sheffield Genetics Laboratory	Sheffield Diagnostic Genetics Service Sheffield Children's NHS Foundation Trust Western Bank, Sheffield S10 2TH	scn-tr.sdgs.oncology@nhs.net 0114 2717014 www.sheffieldchildrens.nhs.uk/SDGS.htm
Leeds Genetics Laboratory	Leeds Central Genetics Laboratory Genomic Specimen Reception Bexley Wing (Level 5) St James's University Hospital Beckett Street Leeds LS9 7TF	mod.lth@nhs.net or leedsth-tr.leedsmolecularhistology@nhs.net 0113 206 5205 www.leedsth.nhs.uk/a-z-of-services/the-leeds-genetics-laboratory/

Yours sincerely

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Gavin Cuthbert – Cancer Lead, Newcastle Genetics Laboratory gavin.cuthbert@nhs.net

Rebecca Pollitt – Cancer Lead, Sheffield Genetics Laboratory rebeccapollitt@nhs.net

Julie Atkey - Cancer Lead, Leeds Central Genetics laboratory julie.atkey@nhs.net

[†]Targeted variants: c.1905+1G>A (*2A haplotype); c.2846A>T; c.1679T>G (*13 haplotype) and c.1129-5923C>G and c.1236G>A which combined form the HapB3 haplotype. Other rare variants which may cause toxicity are not detected by this method (<https://cpicpgx.org/guidelines/guideline-for-fluoropyrimidines-and-dpyd/>).