

Turnaround times for Genetic/Genomic testing

As part of the introduction of the Genomic Medicine Service, turnaround times for Genetic/Genomic tests have been specified by NHS England. Not all tests listed are offered within Oxford, however pathways do exist to enable testing either within the Central and South GLH or nationally at one of the other six national GLHs.

Clinical Urgency	Category (mapping to test directory)	Sub-category	Calendar Days	Examples
URGENT	Ultra Rapid	N/A	3 days	<ul style="list-style-type: none"> • QF-PCR for rapid trisomy detection • Urgent haemato-oncology FISH/RT-PCR • PCR-based tests where the result is needed urgently for prenatal diagnosis
URGENT	Ultra Rapid	N/A	7 days	<ul style="list-style-type: none"> • NIPT
URGENT	Rapid	Rapid	14 days	<ul style="list-style-type: none"> • Microarray for prenatal / urgent postnatal (e.g. neonatal referrals) • Urgent Haemato-oncology karyotyping • Mutation specific molecular pathology tests • Southern blot tests where the result is needed urgently for prenatal diagnosis • PCR-based tests for predictive testing and confirmation of neonatal results
URGENT	Rapid	Complex rapid	21 days	<ul style="list-style-type: none"> • Urgent panels and exomes for relevant indications excluding WGS-related test codes • NIPD
NON-URGENT	Standard	Somatic Cancer	21 days	<ul style="list-style-type: none"> • Standard HO karyotyping (e.g. MDS) • NGS panels for HO referrals • NGS panels for molecular pathology referrals
NON-URGENT	Standard	Rare Disease	42 days (6 weeks)	<ul style="list-style-type: none"> • Standard paediatric microarray • Standard single gene and small gene panel (<10 gene) sequencing • Known familial mutation testing • Standard STR based analysis • Postnatal karyotyping (e.g. fertility or familial microarray follow-up)
NON-URGENT	Complex Standard	Rare Disease	84 days (12 weeks)	<ul style="list-style-type: none"> • Large gene-panels (>10 genes) or WES for standard referral indications
NON-URGENT	Complex Standard	Rare Disease	Part a) 42 days (6 weeks)	<ul style="list-style-type: none"> • Expectation for delivery of centralised WGS (from DNA sample receipt to return of vcf and/or filtered variants to GLH)
NON-URGENT	Complex Standard	Rare Disease	Part b) 42 days (6 weeks)	<ul style="list-style-type: none"> • Validation/reporting of centralised WGS results after receipt at GLH