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Request for Information Reference: 12.21.30

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Email only

7th January 2022

Dear

Freedom of Information Act 2000 – Request for Information

Thank you for submitting a request for information which we received on 13th December 2021 in relation to County Durham and Darlington NHS Foundation Trust (the Trust). Your request has been processed under the provisions of the Freedom of Information Act 2000 and I am now able to provide you with a response.

Your request was in relation to PCR tests and I am providing the following information in response to your specific questions:

Which cycle threshold (ct) are you using in your hospital in PCR tests for patient and staff since the declaration of the pandemic in 2020.

Analyser	Date In Use	Kit	Gene Target	Cycles	Info Source
Quant Studio 5	November 2021- Present	Anatolia Bosphore SARS Cov2/Flu/RSV	Orf1ab and N (for SARS CoV2) *note: reports as a single detection	40	Product IFU
Bio-Rad CFX96	Current contingency analyser	Anatolia Bosphore SARS Cov2/Flu/RSV	Orf1ab and N (for SARS CoV2) *note: reports as a single detection	40	Product IFU
Gene Xpert	April 2020 - Present	SARS CoV2	E and N2	45	Analyser Graph
Gene Xpert	Dec 2020 – Present 2021	SARS CoV2/Flu/RSV	E and N2 *note: reports as a single detection	45	Analyser Graph

Analyser	Date In Use	Kit	Gene Target	Cycles	Info Source
SAMBA II	December 2020 - Present	SARS CoV2	Orf N	N/A isothermal amplification	As d/w Adam Harvey
ID Now	May 2020 - Present	SARS CoV2	RdRp	N/A isothermal amplification	IFU

Quant Studio 5 (Nov 2021-Present) – Using Anatolia Triplex (SARS CoV2/Flu/RSV) kit. 2 targets Orf1ab and N. Both detected in same dye channel. Amplification in less than 40 cycles reported as detected.

BioRad CFX 96 (Nov 2021-Present/ Contingency analyser) – Using Anatolia Triplex (SARS CoV2/Flu/RSV) kit. 2 targets Orf1ab and N. Both detected in same dye channel. Amplification in less than 40 cycles reported as detected.

Gene Xpert (April 2020 – Present) SARS CoV2 Kit Targets E and N2. Reported as Detected if the analyser interpretation is positive (E and N2 positive or N2 only positive). Reported as Indeterminate and repeat requested if presumptive positive on analyser (E only positive).

Gene Xpert (Dec 2020 – Present) SARS CoV2/Flu/RSV Kit. Tests E and N2 but reports as a single result/dye channel. Report as detected if analyser interpretation is positive.

SAMBA II (Dec 2020 – Present) Targets Orf and N – Report as detected if line in either/both of the test regions. Repeat swab requested for confirmation of Ct value.

Abbott ID Now (May 2020 – Present) RdRp Target. All tests confirmed before resulting, used as initial test in ED department. Positives/High clinical suspicion repeated using rapid tests. Negatives repeated using batch PCR (Anatolia).

In line with the Information Commissioner’s directive on the disclosure of information under the Freedom of Information Act 2000 your request will form part of our disclosure log on the Trust’s website. However please be assured that we anonymise all responses prior to adding them to the disclosure log.

I hope that this response has provided you with the information you had requested. If you have any queries or wish to discuss the information supplied, please do not hesitate to contact me by telephone or in writing. If however, you are dissatisfied with the way in which your request has been handled and would like an internal review, you will need to contact me in writing at the above address or via cdda-tr.cddffoi@nhs.

If you remain dissatisfied with our response following an internal review you have the right to appeal to The Information Commissioner at Wycliffe House, Water Lane,

Wilmslow, Cheshire, SK9 5AF. More information is available on their website;
www.ico.gov.uk.

Yours sincerely

Corporate Records and Freedom of Information Facilitator