

Risk Assessment for Lateral Flow Testing at The Brittons Academy

Why is this document needed: Public Health England and the Health and Safety Executive require this documentation to ensure end to end health, safety and infection control risks for mass lateral flow testing are identified, pre-assessed, managed and monitored regularly by the site owners and testing operators

Assessment Date	22/01/21	Lead Assessor	Will Thompson	Contract	The Brittons Academy	Assessment Number	01
Activity / Task							
Description of task / process / environment being assessed	General and clinical activities on the asymptomatic testing site at The Brittons Academy						
Activities Involved	Traversing the site on foot Testing secondary school staff and students					Location	Sports Hall The Brittons Academy
Who Might be affected	Employee ✓	Client ✓	Contractor ✓	Visitor ✓	Service User ✓		

Hazard Identification and evaluation							
No	Hazards	Associated risks	Current Control/ Mitigation Measures	Risk Evaluation (post measures)			Additional control needed?
				Probability	Severity	Risk	Action No
1	Contact between subjects increasing the risk of transmission of COVID19	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> • Asymptomatic: All subjects are to be advised in advance not to attend if they have any symptoms of COVID 19, or live with someone who is showing symptoms of COVID 19 (including a fever and/or new persistent cough) or if they have returned within 14 days from a part of the world affected by the virus or have been in close contact with someone who is displaying symptoms. • Face masks: Prominent signage reminding attending subjects of the above to be displayed at the entrance to the building. • Face coverings/masks to be worn by subjects at all times whilst on the premises except for brief lowering at time of swabbing. • Requirement to wear face covering/mask to be reminded to all subjects in advance at time of test booking. • Compliance with wearing of face covering/mask of all subjects to be visually checked on arrival by queue managers. • Compliance with wearing of face covering/mask of all subjects to be visually checked through building by queue managers and all other staff. • Hand hygiene: All subjects to use hand sanitiser provided on arrival and adherence to this enforced by reception staff. • Social distancing: Two metre social distancing to be maintained between subjects with measured floor markings in place to ensure compliance in addition to verbal reminders if necessary from reception, queue management and sampling staff. Queue to be proactively managed. • A one-way flow of subjects through the building is to be initiated and maintained at all times. Compliance with this is to be ensured by queue management staff. • Cleaning: Regular cleaning of the site including wipe down of all potential touchpoints in accordance with PHE guidance. • Limited clutter-chairs only for processors, registrar and data entry team; no physical handing of documents to subjects except barcodes and PCR test kits for first 200 subjects 	1	4	4	
2	Contact between subjects and staff increasing the risk of transmission of COVID19 :	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> • As above • Additional controls: Perspex screen at registration desk, open air queue with flow management and social distancing enforced by queue management staff. 	1	4	4	

	<u>Welcome & registration</u>						
3	Contact between subject and sampler increasing the transmission of COVID19: <u>Sample taking</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> • As above • Additional controls: Perspex screen and shielded 'corridor' at sample stations; use of external agency staff for specialist roles; staff have completed training successfully and have experience in the process; subjects briefed. 	1	4	4	
4	Contact between sample and test centre runner increasing the transmission of COVID19: <u>Sample transport</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> • As above • Additional controls: Use of racks and trays to transfer samples; use of external agency staff for specialist roles; staff have completed training successfully and have experience in the process; subjects briefed. 	1	4	4	
5	Contact between samples and sample testers increasing the transmission of COVID19: <u>Sample processing & analysis.</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> • As above 	1	4	4	
6	Contact between samples and sample testers increasing the transmission of COVID19: <u>Sample disposal and waste disposal</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> • As above • Additional controls: Waste protocols shared and understood by all relevant parties; waste bags and bins conform to regulations and clearly labelled; waste disposal process confirmed with contractor. 	1	4	4	
7	Incorrect result communication	Wrong samples or miscoding of results	<ul style="list-style-type: none"> • 2 identical barcodes are provided to subject at check in • The subject registers their details to a unique ID barcode before conducting the test • Barcodes are attached by trained staff at the sample collection bay Barcodes are checked for congruence at the analysis station 1 and applied to Lateral Flow Device at this station 	1	4	4	

8	Damaged barcode, lost LFD, failed scan of barcode	Orphaned record on registration portal & No result communicated to individual	<ul style="list-style-type: none"> Rule based recall of subjects who have not received a result within one hour of registration Subjects are called for a retest 	1	2	2	
9	Extraction solution which comes with the lab test kit contains the following components: Na_2HPO_4 (disodium hydrogen phosphate), NaH_2PO_4 (sodium phosphate monobasic), NaCl (Sodium Chloride)	These components do not have any hazard labels associated with them, and the manufacturer states that there are no hazards anticipated under conditions of use as described in other product literature. This is the case for exposure to: eye, skin, inhalation, ingestion, chronic toxicity, reproductive and developmental toxicity, carcinogenicity, and medical conditions aggravated by exposure.	<ul style="list-style-type: none"> PPE: nitrile gloves which meet the Regulation (EU) 2016/425 to be used at all times when handling the extraction solution. Safety glasses with side shields which are tested and approved under appropriate government standards to be worn at all times when handling the extraction solution. Impervious clothing to be worn to protect the body from splashes or spillages. Environmental: do not let product enter drains Spillages: wipe surfaces which the solution has been spilt on and dispose of cleaning material in line with the lab's waste disposal procedures Do not use if the solution has expired Training to be provided in handling potentially biohazardous samples, chemicals and good lab practice. Adhere to guidelines in these training procedures to prevent improper handling. Follow procedures on the MSDS form provided by Innova to mitigate against inhalation, skin contact or ingestion of these chemicals. 	1	1	1	
10	Occupational illness or injury	Standard workplace risk assessment applies	<ul style="list-style-type: none"> Follow existing workplace risk assessment for mitigations. 	1	3	3	
11	Manual handling	Standard workplace risk assessment applies	<ul style="list-style-type: none"> Follow existing workplace risk assessment for mitigations. 	1	3	3	
12	Unauthorised access by members of the public	Security breach	<ul style="list-style-type: none"> Controlled gate and building entry CCTV monitoring I.D. badges to be worn at all times Testing centre (sports hall) located at rear of site with no direct access via external boundaries Queue managements staff and registration procedure 	1	4	4	
13	Uneven surfaces (floor protection in the Testing and Welfare areas)	Sports Hall floor and access paths	<ul style="list-style-type: none"> Sports Hall varnished again prior to testing. 	1	3	3	
14	Stairs to / from sample processing	Steps up testing area	<ul style="list-style-type: none"> No steps Alternative access for those with access difficulties 				

	/ registration area and welfare space						
15	Inclement weather	Sports Hall access paths	<ul style="list-style-type: none"> Covered walkway and queuing area Managed queueing system Gritting protocol if icy 	3	2	6	
16	Electrical safety / plant & equipment maintenance Defective electrical equipment	Spots Hall electrics and test recording equipment	<ul style="list-style-type: none"> Electrical system upgraded 13.01.21 and checked PAT tested equipment being used 	1	4	4	
17	Use of shared equipment		<ul style="list-style-type: none"> Minimal shared equipment Shared stations cleaned between use PPE worn Laptops disinfected before change of user 	1	3	3	
18	Incorrect result communication	Wrong samples or miscoding of results	<ul style="list-style-type: none"> 2 identical barcodes are provided to subject at check in The subject registers their details to a unique ID barcode before conducting the test Barcodes are attached by trained staff at the sample collection bay Barcodes are checked for congruence at the analysis station 1 and applied to Lateral Flow Device at this station 	1	4	4	
19	Damaged barcode, lost LFD, failed scan of barcode	Orphaned record on registration portal & No result communicated to individual	<ul style="list-style-type: none"> Rule based recall of subjects who have not received a result within x hrs of registration Subjects are called for a retest 	1	3	3	
20	Extraction solution which comes with the lab test kit contains the following components: Na ₂ HPO ₄ (disodium hydrogen phosphate), NaH ₂ PO ₄ (sodium phosphate monobasic), NaCl (Sodium Chloride)	These components do not have any hazard labels associated with them, and the manufacturer states that there are no hazards anticipated under conditions of use as described in other product literature. This is the case for exposure to: eye, skin, inhalation, ingestion, chronic toxicity, reproductive and developmental toxicity, carcinogenicity, and medical	<ul style="list-style-type: none"> PPE: nitrile gloves which meet the Regulation (EU) 2016/425 to be used at all times when handling the extraction solution. Safety glasses with side shields which are tested and approved under appropriate government standards to be worn at all times when handling the extraction solution. Impervious clothing to be worn to protect the body from splashes or spillages. Environmental: do not let product enter drains Spillages: wipe surfaces which the solution has been spilt on and dispose of cleaning material in line with the lab's waste disposal procedures Do not use if the solution has expired Training to be provided in handling potentially biohazardous samples, chemicals and good lab practice. Adhere to guidelines in these training procedures to prevent improper handling. 	1	1	1	

	conditions aggravated by exposure.	<ul style="list-style-type: none"> Follow procedures on the MSDS form provided by Innova to mitigate against inhalation, skin contact or ingestion of these chemicals. 				
--	------------------------------------	---	--	--	--	--

Control Improvements				
Action No	Recommended additional control measures	Responsibility	Target Date	Date completed
1	Content of the risk assessment to be communicated with all workers as part of induction	Covid Coordinator		
2	Toolbox talks to be delivered to all workers on a regular basis including slips trips falls and complacency	Covid Coordinator		

Additional Notes

Risk Evaluation

		Consequence of event occurring (Severity)				
		Negligible	Minor	Moderate	Major	Critical
Likelihood of event occurring (Probability)	Almost Certain	Tolerable 5	Substantial 10	Intolerable 15	Intolerable 20	Intolerable 25
	Likely	Tolerable 4	Substantial 8	Intolerable 12	Intolerable 16	Intolerable 20
	Possible	Trivial 3	Tolerable 6	Substantial 9	Intolerable 12	Intolerable 15
	Unlikely	Trivial 2	Tolerable 4	Tolerable 6	Substantial 8	Substantial 10
	Rare	Trivial 1	Trivial 2	Trivial 3	Tolerable 4	Tolerable 5

Likelihood

- Rare**, will probably never happen/recur
- Unlikely**, do not expect it to happen, but is possible
- Possible**, Might happen
- Likely**, will probably happen
- Almost Certain**, will undoubtedly happen

Severity

- Negligible
- Minor
- Moderate
- Major
- Critical

Risk control strategies

- Intolerable** – stop activity, take immediate action to reduce the risk
- Substantial** - Take action within an agreed period
- Tolerable** – monitor the situation
- Trivial** – No action required

Declaration - If the above control measures are implemented the risks posed by the task / process / environment assessed will be controlled to as low as is reasonably practicable.	
Persons involved in assessment	
Signature of Lead Assessor	Date

Reviews – this assessment should be reviewed at intervals no greater than 12 months or when there are changes in operational procedure, personnel, the work environment or following an incident

Review date	Comments	Reviewed by	Signature	Review date	Comments	Reviewed by	Signature

Health and Safety Risk Assessment Sign off Sheet	Assessment Number	
--	-------------------	--

Declaration by employees involved in the activity detailed above – I fully understand the activity outlined above and the risk control measures that I must implement, use or wear. I have received sufficient information, instruction and training so as to enable me to conduct this activity with the minimum of risk to myself and others.

Employee Name	Signature	Supervisors Name	Date	Employee Name	Signature	Supervisors Name	Date