

Appendix 1. Risk Assessment for Lateral Flow Operations Clacton County High School

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	10/01/2021	Lead Assessor	Chris Taylor		
Description of task / process / environment being assessed	General and clinical activities on the asymptomatic testing site at Clacton County High School				
Activities Involved	Conducting lateral flow device tests for school staff and students				
Site	The designated test site will be the main hall in school				
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	
1	<p>Contact between subjects increasing the risk of transmission of COVID19</p> <p>Contact between subjects and staff increasing the risk of transmission of COVID19 : <u>Welcome & registration</u></p> <p>Contact between subject and sampler increasing the transmission of COVID19: <u>Sample taking</u></p> <p>Contact between samples and sample testers increasing the transmission of COVID19: <u>Sample processing & analysis.</u></p>	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 reception / marshals. • Hand hygiene: All subjects to use hand sanitiser provided on arrival & adherence to this enforced by reception staff. • Social distancing: Two metre social distancing to be maintained with measured floor markings in place to ensure compliance in addition to verbal reminders if necessary from reception, queue management & sampling staff. A one-way flow of subjects through the building is to be initiated and maintained at all times. • Cleaning: Regular cleaning of the site including wipe down of all potential touchpoints in accordance with PHE guidance. 	1	4	4	

2	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 and one is placed on their registration card • A barcodes is attached by trained staff at the sample collection bay. Barcodes are checked for congruence at the analysis station and applied to Lateral Flow Device at this station • Parent registers the child so no mistake can be made. 	1	3	3	No
3	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 2 hrs of registration • Subjects are called for a retest 	1	3	3	No
4	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 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	4	4	No

5	Manual handling		<ul style="list-style-type: none"> Test site will be set up in advance with all heavy equipment (tables) and taped out by staff who have been suitably trained via the Handsome platform. 	1	4	4	No
6	Unauthorised access by members of the public		<ul style="list-style-type: none"> The test site will remain locked unless being used by trained personnel The entrance to the test site will be supervised and staff and students will only enter the test site when instructed to do so by the site personnel 	1	3	3	No
7	Electrical safety / plant & equipment maintenance Defective electrical equipment		All electrical equipment to be used on the site will be subject to the routine electrical inspections carried out by the school facilities manager	1	2	2	No
8	Use of shared equipment		Any equipment that is shared between testing sessions will be cleaning with alcohol wipes. The testing site will be cleaned between testing sessions	1	2	2	No
9	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 and applied to Lateral Flow Device at this station 	1	2	2	No
10	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 2 hrs of registration Subjects are called for a retest 	1	2	2	No
11	Extraction solution which comes with the lab test kit	These components do not have any hazard labels associated with	<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 	1	3	3	No

	<p>contains the following components: NA 2HPO4</p> <p>(disodium hydrogen phosphate), NaH2PO (sodium phosphate monobasic), NaCl (Sodium Chloride)</p>	<p>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.</p>	<p>handling the extraction solution. Impervious clothing to be worn to protect the body from splashes or spillages.</p> <ul style="list-style-type: none"> • 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. 				
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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	06/01/2021	
2	Toolbox talks to be delivered to all workers on a regular basis including slips trips falls and complacency	Covid Coordinator		
3	Workforce to undergo relevant Government training courses for the roles they are undertaking inside the test site	Covid Coordinator		

4	Quality management plan created and updated weekly	Covid Coordinator		
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Additional Notes

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	Chris Taylor, Gary Winterford
Signature of Lead Assessor	<i>Chris Taylor</i> Date: 06/01/2021

Review date	Comments	Reviewed by	Signature
15.01.21	Ready for staff and CWV testing	CTA	CTA
1.03.21	In preparation for arrival of all students and mass testing	CTA	CTA

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.
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