

Maghull High School

APPENDIX A: Lateral Flow Testing Risk Assessment

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	7/1/21	Lead Assessor	V Leatherbarrow				
Activity / Task							
Description of task / process / environment being assessed	General and clinical activities on the asymptomatic testing site at Maghull High School						
Activities Involved	Testing staff and students				Location	Howe Theatre and Drama Studio	
Who Might be affected	Employee ✓		Pupil ✓		Contractor ✓		

Maghull High School

No	Hazards	Associated risks	Current Control/ Mitigation Measures	Risk			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 is displayed at the entrance to the building. ● Face coverings/masks to be worn by subjects at all times whilst on the premises for testing 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 / security staff. ● 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 & 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 & sampling staff. ● 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. ● Limit clutter. ● No physical handing of documents to subjects except barcodes. 	1	4	4	
2	Contact between subjects and staff increasing the risk of transmission of COVID19 : <u>Welcome & registration</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> ● Face masks: Prominent signage reminding attending subjects of the above is displayed at the entrance to the building. ● 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 between subjects and between subjects and staff, with measured floor markings in place to ensure compliance in addition to verbal reminders if necessary from reception and queue management staff. ● No physical handing of documents to subjects except barcodes. 	1	4	4	

Maghull High School

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"> • Face coverings/masks to be worn by subjects at all times whilst on the premises for testing except for brief lowering at time of swabbing. • Hand hygiene: All subjects to use hand sanitiser prior to test • Social distancing: Two metre social distancing to be maintained between subjects and staff • 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. 	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"> • 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. • Samples transported in test tube receptacles on trays and deposited in the sample area. 	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"> • 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. 	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"> • PPE: nitrile gloves which meet the Regulation (EU) 2016/425 to be used at all times when handling waste products. Safety glasses with side shields which are tested and approved under appropriate government standards to be worn at all times when handling waste products. Impervious clothing to be worn to protect the body from splashes or spillages. • Swabs and tissues to be placed in unmarked yellow bags. Cartridges to be placed in unmarked yellow bags. • PPE, mop heads and cloths to be placed in tiger bags. • Bags to be placed in a secure receptacle awaiting weekly collection as clinical waste. 	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 and applied to Lateral Flow Device at this station 	1	4	4	

Maghull High School

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 30 minutes of registration • Subjects are called for a retest 	1	4	4	
9	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	
10	Manual handling	Inappropriate lifting and handling of resources to set up the testing site	<ul style="list-style-type: none"> • Site Team have completed Lifting and Handling training and will take appropriate measures when lifting and handling large or awkwardly shaped items. 	1	2	2	
12	Unauthorised access by members of the public	Test site is compromised by unauthorised access	<ul style="list-style-type: none"> • Access to and from the site will be controlled by the use of entrances and exits. • Ensure secure lines are maintained. • Supervision of the Testing Site is maintained at all times. 	1	2	2	
13	Uneven surfaces (floor protection in the Testing and Welfare areas)	Uneven surfaces can result in trips and falls and/or spillages.	<ul style="list-style-type: none"> • Ensure that the area is kept clutter free • Testing Site is situated in an area where there are no/few uneven surfaces • Ensure that floor area and surfaces are kept clean at all times. • Clear spillages as they arise. 	1	3	3	
15	Inclement weather	Floors can become wet and slippy	<ul style="list-style-type: none"> • Ensure that floor area and surfaces are kept clean at all times. 	1	2	2	
17	Use of shared equipment	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> • Each member of staff will be issued with their own equipment/PPE and will operate from individual stations. • Where there is a need for staff changeover the station will be completely sanitised and new resources will be made available. 	1	4	4	

Maghull High School

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 training	Covid Coordinator	7/1/21	7/1/21
2	Signage to be displayed throughout the Testing Site	Covid Coordinator	7/1/21	7/1/21

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.

