

Risk Assessment for Lateral Flow Tests – The Nobel School

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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	6/1/2021	Lead Assessor	Christine Crawley with Betty Bennison – lead technician	Contract		Assessment Number	
<b>Activity / Task</b>							
<b>Description of task / process / environment being assessed</b>	General and clinical activities on the asymptomatic testing site at <u>The Nobel School</u>						
<b>Activities Involved</b>	Traversing the site on foot Testing school staff and students					<b>Location</b>	The Nobel School
<b>Who Might be affected</b>	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? Action No
				Probability	Severity	Risk	
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"> <li><b>Asymptomatic:</b> 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.</li> <li><b>Face masks:</b> Prominent signage reminding attending subjects of the above to be displayed at the entrance to the building.</li> <li>Face coverings/masks to be worn by subjects at all times whilst on the premises except for brief lowering at time of swabbing.</li> <li>Requirement to wear face covering/mask to be reminded to all subjects in advance at time of test booking.</li> <li>Compliance with wearing of face covering/mask of all subjects to be visually checked on arrival by reception / security staff.</li> <li>Compliance with wearing of face covering/mask of all subjects to be visually checked through building by queue managers and all other staff.</li> <li><b>Hand hygiene:</b> All subjects to use hand sanitiser provided on arrival &amp; adherence to this enforced by reception staff.</li> <li><b>Social distancing:</b> 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 &amp; sampling staff.</li> <li>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.</li> <li><b>Cleaning:</b> Regular cleaning of the site including wipe down of all potential touchpoints in accordance with PHE guidance.</li> <li>Limited clutter-chairs only on request; no physical handing of documents to subjects except barcodes and PCR test kits for first 200 subjects</li> </ul>	1	4	4	
2	Contact between subjects and staff increasing the risk of transmission of COVID19 : <u>Welcome &amp; registration</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> <li><b>Screen in place to ensure social distancing. If no screen, staff will wear visors and masks.</b></li> <li><b>Subjects to wear masks.</b></li> <li><b>Hand sanitizer available for subjects to use before entering the school.</b></li> <li><b>All subjects must have a signed consent forms (either electronic or paper)</b></li> <li><b>All subjects issued with a barcode sticker and registered by the school</b></li> <li><b>Queue management markings in place</b></li> <li><b>No more than two people in testing area at any one time.</b></li> </ul>	1	4	4	

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"> <li>• <b>Staff will wear full PPE including visors</b></li> <li>• <b>No contact between subject and sampler. Clear explanation of procedure to subjects regarding the process. If the subject requires help to do the test, parents will be invited in to assist at a different date</b></li> </ul>	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"> <li>• <b>N/A</b></li> </ul>	1	4	4	
5	Contact between samples and sample testers increasing the transmission of COVID19: <u>Sample processing &amp; analysis.</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> <li>• <b>Staff to wear full PPE. Gloves are changed after every test.</b></li> <li>• <b>Area is fully cleaned and disinfected after every subject</b></li> </ul>	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"> <li>• <b>Staff to wear full PPE. Gloves are changed after every test.</b></li> <li>• <b>Lidded bins are provided for different waste, ie yellow bags for clinical waste</b></li> </ul>	1	4	4	
7	Incorrect result communication	Wrong samples or miscoding of results	<ul style="list-style-type: none"> <li>• 2 identical barcodes are provided to subject at check in</li> <li>• The subject registers their details to a unique ID barcode before conducting the test</li> <li>• 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</li> </ul>	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"> <li>Rule based recall of subjects who have not received a result within 4 hrs of registration</li> <li>Subjects are called for a retest</li> </ul>	1	4	4	
9	Extraction solution which comes with the lab test kit contains the following components: $\text{Na}_2\text{HPO}_4$ (disodium hydrogen phosphate), $\text{NaH}_2\text{PO}_4$ (sodium phosphate monobasic), $\text{NaCl}$ (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"> <li><b>PPE:</b> 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.</li> <li><b>Environmental:</b> do not let product enter drains</li> <li><b>Spillages:</b> wipe surfaces which the solution has been spilt on and dispose of cleaning material in line with the lab's waste disposal procedures</li> <li>Do not use if the solution has expired</li> <li>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.</li> <li>Follow procedures on the MSDS form provided by Innova to mitigate against inhalation, skin contact or ingestion of these chemicals.</li> </ul>	1	4	4	
10	Occupational illness or injury	Member of staff contracts COVID-19	<ul style="list-style-type: none"> <li><b>Chances are reduce by following the guidelines and avoiding any contact between testers and subjects. Changing gloves after processing of each test mitigates the risks.</b></li> </ul>	1	4	4	
12	Unauthorised access by members of the public	Transmission of the virus leading to ill health or potential death Breach of data protection regulations	<ul style="list-style-type: none"> <li><b>All equipment and consumables are put away after each testing session. The labs are locked to prevent unauthorized access.</b></li> </ul>	1	4	4	
13	Uneven surfaces (floor protection in the Testing and Welfare areas)		<ul style="list-style-type: none"> <li><b>Testing takes place in science labs or the sports hall which have no uneven surfaces.</b></li> </ul>	1	2	2	



<b>Control Improvements</b>				
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	3/3/2021	
2	Toolbox talks to be delivered to all workers on a regular basis including slips trips falls and complacency	Covid Coordinator	3/3/2021	

<b>Additional Notes</b>

## 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

<b>Declaration</b> - 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	Sam Head, Corrina Reader, Caroline Goldsmith, Betty Bennison
Signature of Lead Assessor	Date

