



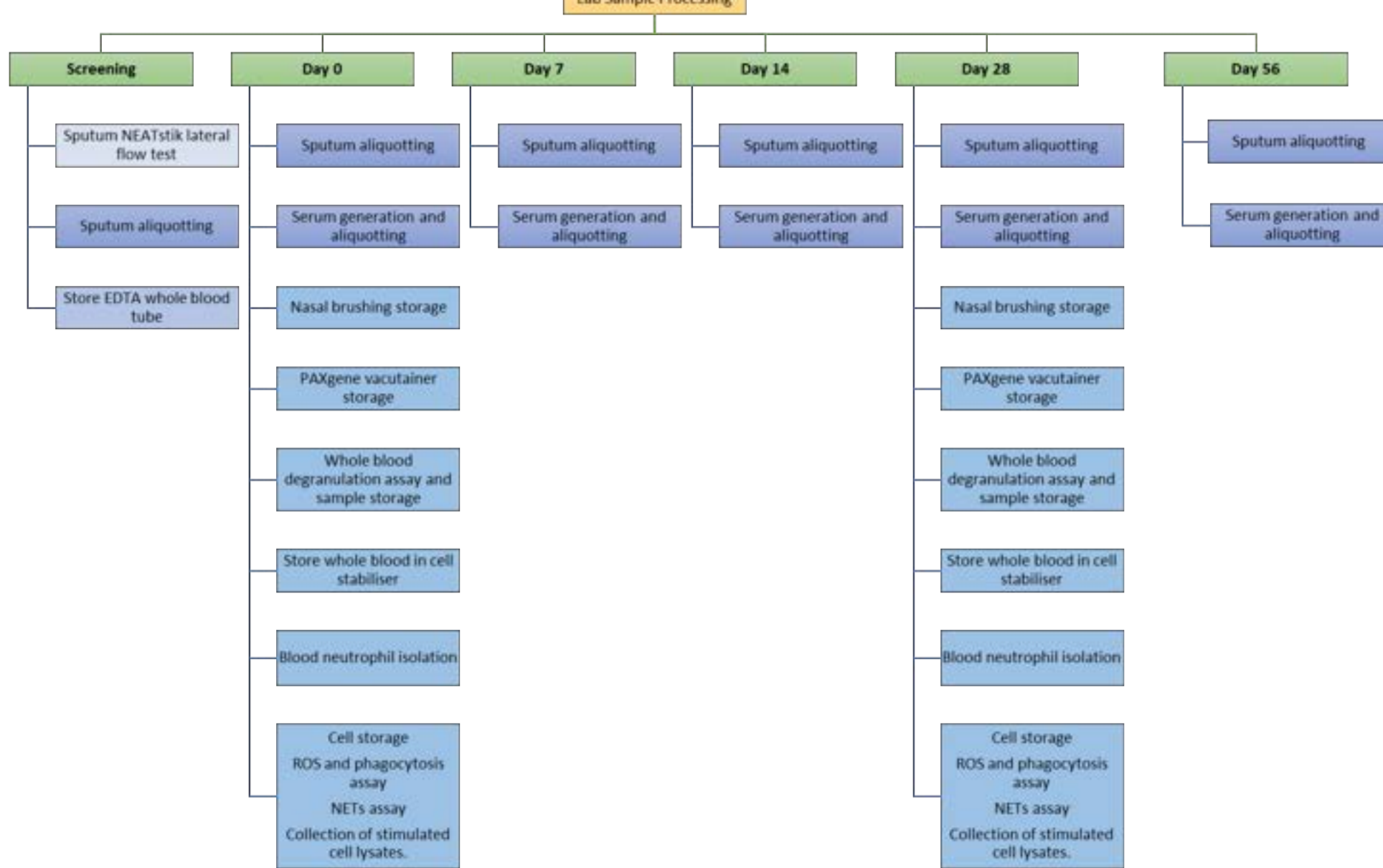
# Laboratory Samples



## Samples Required

	Visit 1 Screening	Visit 2 Baseline	Visit 3	Visit 4	Visit 5	Visit 6	Safety visit
	Days -35 to 0	Day 0	Day 7	Day 14	Day 28	Day 56	If required
Full blood count, urea and electrolytes, liver function tests	X			X	X	X	X
Research blood sample for endpoint analyses		X	X	X	X	X	
Sputum sample for screening eligibility (NEATstik) <sup>a</sup>	X						
Research sputum sample for endpoint analyses		X	X	X	X	X	
Nasal sample		X			X		
Pregnancy test, if required	X	X	X	X	X		





# Equipment

## Bloods:

- Blood tubes as per visit
- Venepuncture equipment (e.g. 21G needle and vacutainer adapter provided to sites. Tourniquet, cotton wool, alcohol wipes etc. to be utilised locally)
- *Collection set compatible with vacutainer tubes must be used for PAXgene*
- Research sample pack note

## Sputum:

- Sputum sample pots
- NEATstik sputum elastase test and colour grade print-out
- Murray sputum colour chart
- Screening only: camera or camera phone (if permitted locally) to photograph NEATstik result

## Nasal Brushing\*:

- 3mm brush
- 1.5 ml LoBind Eppendorf tube containing 1 ml RNAlater buffer
- Sample storage box
- Sample Logs

*\*nasal brushing & sample addition into RNA later buffer should be done during participant visit by clinical team member*

## Blood Samples

### **Blood samples should be obtained as per Laboratory Manual**

NHS samples Visit 1, 4, 5, 6 & any unscheduled visit:















- Results should be reviewed by a doctor on the Delegation Log in a timely manner
- A copy of the results signed and dated by a delegated doctor must be filed in the participant's medical notes















Research samples Visits 2, 3,4,5 and 6:

- Processed as per Laboratory Manual
- Stored at site and transferred to University of Dundee at the end of the trial

## Pregnancy Test

- Urine pregnancy test should be carried out where applicable.
- A copy of the results signed and dated by a delegated doctor should be filed in the participant's medical notes.

Visit	NHS Labs	Research Blood Samples	Sputum Sample	Other research samples
<b>1</b> screening	Bloods: • FBC • U&Es • LFT  Urine: • Pregnancy test if required	 SST II Advanced 5 ml  EDTA (K2E) 4 ml	 Min 0.4 g	Nil
<b>2</b> Day 0 (Baseline)	Urine: • Pregnancy test if required	 SST II Advanced 5 ml  Sodium Heparin (NH) 4 ml  Lithium Heparin (LH) 4 ml  EDTA (K2E) 24 ml (2x10ml, 1x4ml)  PAXgene RNA tube 2.5 ml	 Min 0.4 g	 Nasal brushing (3mm brush and 3.5ml tube with 1ml 10% saline solution)
<b>3</b> Day 7	Urine: • Pregnancy test if required	 SST II Advanced 5 ml	 Min 0.4 g	Nil
<b>4</b> Day 14	Urine: • Pregnancy test if required	 SST II Advanced 5 ml	 Min 0.4 g	Nil

Visit	NHS Labs	Research Blood Samples	Sputum Sample	Other research samples
<b>5</b> Day 28	Bloods: • FBC • U&Es • LFT  Urine: • Pregnancy test if required	 SST II Advanced 5 ml  Sodium Heparin (NH) 4 ml  Lithium Heparin (LH) 4 ml  EDTA (K2E) 24 ml (2x10ml, 1x4ml)  PAXgene RNA tube 2.5 ml	 Min 0.4 g	 Nasal brushing (3mm brush and 3.5ml tube with 1ml 10% saline solution)
<b>6</b> Day 56	Bloods: • FBC • U&Es • LFT	 SST II Advanced 5 ml  Sodium Heparin (NH) 4 ml  Lithium Heparin (LH) 4 ml  PAXgene RNA tube 2.5 ml	 Min 0.4 g	Nil
<b>Unscheduled</b>	NHS bloods as clinically indicated  • FBC • U&Es • LFT	 SST II Advanced 5 ml	 Min 0.4 g	Nil



## Labelling Research Samples

Sample pack note should be included in the visit pack with sample tubes and should be completed at the visit by clinical team member. Vacutainers need only to be labelled with the sample ID, date and time using the manufacturers label by clinical team.

### AIR-NET research samples

Participant ID: NET- \_\_\_\_ - \_\_\_\_ - \_\_\_\_

Date: \_\_\_\_ - \_\_\_\_ - \_\_\_\_

Blood and nasal sampling time: \_\_\_\_ : \_\_\_\_

Sputum production time: \_\_\_\_ : \_\_\_\_

Staff initials: \_\_ \_\_

All research samples (i.e. all samples not for NHS analyses) including vacutainers for storage should be labelled in the lab with the labels provided by the lab team member, with the exception of the Nasal Brushing (refer to lab manual)

