



## INDUCED SPUTUM WORKSHEET

For post albuterol FEV<sub>1</sub> >50% Predicted

ID NUMBER:											
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FORM CODE: ISW  
VERSION: 5.0 09/24/2019

Event \_\_\_\_\_

0a) Form Date:   /   /

0b) Staff Code

0c) Date Collected:   /   /

0d) Procedure Start Time:   :   AM/PM (circle one)

**Instructions:** This form should be completed during the participant's visit if post albuterol FEV<sub>1</sub> > 50% predicted. If FEV<sub>1</sub> < 50% predicted use ISP form instead of this form.

0e) Was sputum induction performed on this participant?

- No<sub>0</sub>  
 Yes<sub>1</sub> → **Go to 1**

0f) Reason procedure was not performed:

- Participant could not perform acceptable spirometry<sub>1</sub>  
 PI felt not safe<sub>2</sub>  
 Participant refused<sub>3</sub>  
 Other<sub>4</sub>

0f1. If other, please specify: \_\_\_\_\_

**If sputum induction was not performed, go to 26 after completing 0f.**

3a11a 1) Was the participant redosed with albuterol immediately prior to sputum induction? (e.g., >165 minutes elapsed since initial bronchodilator dose for PFTs)

- No<sub>0</sub> → **Go to 2**  
 Yes<sub>1</sub>

3b11b 1a) How many puffs of albuterol was the participant given?  puffs

**Record FEV<sub>1</sub> for all participants. Participants that are redosed perform and record 10 minutes post albuterol.**

		Pre-Sputum Induction Baseline FEV <sub>1</sub>
<small>4a</small> 2)	Trial #1	
<small>5a</small> 2)3)	Trial #2	
<small>6a</small> 3)4)	Trial #3	

74)5) Trial spirometry reviewed by: \_\_\_\_\_

85)6) Spirometry ok to continue?

- No<sub>0</sub> → **Go To 19**  
 Yes<sub>1</sub>

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Event \_\_\_\_\_

1a/1b9/9a) 7) 10% fall from   .   multiplied by 0.9 is   .   continue at present concentration – do not increase saline concentration (use best FEV<sub>1</sub> from trials 1 to 3 for calculation)

2a/2b10/10a) 8) 20% fall from   .   multiplied by 0.8 is   .   discontinue tests, give albuterol. Perform PFTs at 10 minutes post administration (use best FEV<sub>1</sub> from trials 1 to 3 for calculation)

FEV<sub>1</sub>

12a12) 9)	2 min at 3% NaCl If FEV <sub>1</sub> <20% drop, continue	
13a13) 10)	7 min at 3% NaCl	
14) 11)	First 7 minutes complete, continue induction? If FEV <sub>1</sub> ≥20% drop, then stop induction procedure.	<input type="checkbox"/> No <sub>0</sub> → <b>Go to 19</b> <input type="checkbox"/> Yes <sub>1</sub>
15) 12)	If yes, % NaCl used: NOTE: If FEV <sub>1</sub> <10% drop, then increase to 4% NaCl after sample is collected. If FEV <sub>1</sub> =10-19% drop, then continue at 3% NaCl.	<input type="checkbox"/> 3% NaCl <sub>1</sub> <input type="checkbox"/> 4% NaCl <sub>0</sub>
16a16) 13)	2 min If FEV <sub>1</sub> <20% drop, continue	
17a17) 14)	7 min If FEV <sub>1</sub> <20% drop, continue	
18) 15)	Second 7 minutes complete, continue induction? If FEV <sub>1</sub> ≥20% drop, then stop induction procedure.	<input type="checkbox"/> No <sub>0</sub> → <b>Go to 19</b> <input type="checkbox"/> Yes <sub>1</sub>
19) 16)	If yes, % NaCl used: NOTE: If you did not increase % NaCl in step 12, then continue at 3%. If you did increase NaCl to 4% and FEV <sub>1</sub> <10% drop, then increase to 5%. If FEV <sub>1</sub> =10-19% drop, then continue at 4% NaCl.	<input type="checkbox"/> 3% NaCl <sub>1</sub> <input type="checkbox"/> 4% NaCl <sub>2</sub> <input type="checkbox"/> 5% NaCl <sub>3</sub>

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20a2017)	2 min If FEV <sub>1</sub> <20% drop, continue	
21a2118)	7 min <i>Induction complete.</i>	
18a)	Did the participant complete the third 7 minutes of the induction?	<input type="checkbox"/> No <sub>0</sub> <input type="checkbox"/> Yes <sub>1</sub>

*Remind subject to rinse mouth and cheeks thoroughly, gargle - spit into sink.  
Clear throat, scraping throat and roof of mouth - spit into sink. Blow nose – discard.  
Deep cough from chest and spit into sputum sample cup.  
DO NOT HAWK OR SCRAPE when producing sample. Passively bring it past the throat into the cup!*

19) Procedure End Time:  :  AM/PM (circle one)

2320) Was the induction terminated early?  
 No<sub>0</sub> → **Go to 22**  
 Yes<sub>1</sub>

2421) Reason terminated early:  
 FEV<sub>1</sub> dropped ≥20%<sub>1</sub>  
 Participant requested to stop<sub>2</sub>  
 Other<sub>3</sub>

24a21a) Specify Other: \_\_\_\_\_

2522) Did the participant require additional albuterol?  
 No<sub>0</sub> → **Go to 26**  
 Yes<sub>1</sub>

*If participant's FEV<sub>1</sub> dropped ≥20% from baseline and/or if a 2<sup>nd</sup> dose of albuterol was required, conduct a post-induction spirometry and record values here:*

FEV <sub>1</sub>		
26a2623)	Trial #1	
27a2724)	Trial #2	
28a2825)	Trial #3	

26) Was a sputum sample collected from the participant?  
 No, Neither Induced or Spontaneous<sub>0</sub>  
 Yes, Induced Sample<sub>1</sub>  
 Yes, Induced and Spontaneous Sample<sub>2</sub>  
 Yes, Spontaneous Sample<sub>3</sub>

**END OF FORM**