



INDUCED SPUTUM WORKSHEET

For post albuterol FEV₁ >50% Predicted

ID NUMBER:

FORM CODE: ISW Event _____
 VERSION: 3.0 07/23/2018

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.

FEV₁

4a)1)	Baseline #1	
5a)2)	Baseline #2	
6a)3)	Baseline #3	
7)4)	Baseline spirometry reviewed by:	
8)5)	Spirometry ok to continue? <input type="checkbox"/> No ₀ → End Form <input type="checkbox"/> Yes ₁	
9a)6)	10 min post albuterol Trial #1	
10a)7)	Trial #2	
11a)8)	Trial #3	

1a/1b)9) 10% fall from . multiplied by 0.9 is . – continue at present concentration – do not increase saline concentration (use best post albuterol FEV₁ to calculate)

2a/2b)10) 20% fall from . multiplied by 0.8 is . (use best post albuterol FEV₁)
 (Discontinue tests, give albuterol. Perform PFTs at 10 minutes post administration)

3)11) Was the participant given albuterol prior to sputum induction?

No₀ → **Go to 12**
 Yes₁

3a)11a) Was this a re-dosing (e.g., >165 minutes after initial bronchodilator dose for PFTs)?

No₀
 Yes₁

3b)11b) How many puffs of albuterol was the participant given?

puffs

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FEV₁

12a) 12)	2 min at 3% NaCl If FEV ₁ <20% drop, continue	
13a) 13)	7 min at 3% NaCl	
14)	First 7 minutes complete, continue induction?	<input type="checkbox"/> No ₀ → Go to 22 <input type="checkbox"/> Yes ₁
15)	If yes, % NaCl used: NOTE: If FEV ₁ <10% drop, then increase to 4% NaCl after sample is collected. If FEV ₁ =11-19% drop, then continue at 3% NaCl. If FEV ₁ >20% drop, then stop induction procedure.	<input type="checkbox"/> 3% NaCl ₁ <input type="checkbox"/> 4% NaCl ₀
16a) 16)	2 min at 4% NaCl If FEV ₁ <20% drop, continue	
17a) 17)	7 min at 4% NaCl	
18)	Second 7 minutes complete, continue induction?	<input type="checkbox"/> No ₀ → Go to 22 <input type="checkbox"/> Yes ₁
19)	If yes, % NaCl used: NOTE: If you did not increase % NaCl in step 15, then continue at 3% unless FEV ₁ >20% drop. If you did increase NaCl to 4% and FEV ₁ <10% drop, then increase to 5%. If FEV ₁ =11-19% drop, then continue at 4% NaCl. If FEV ₁ >20% drop, then stop induction procedure.	<input type="checkbox"/> 3% NaCl ₁ <input type="checkbox"/> 4% NaCl ₂ <input type="checkbox"/> 5% NaCl ₃
20a) 20)	2 min at 5% NaCl If FEV ₁ <20% drop, continue	
21a) 21)	7 min at 5% NaCl <i>Induction complete.</i>	

*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!*

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21a.) Procedure End Time: : AM/PM (circle one)

22) Was the participant able to produce sputum?

No₀

Yes₁

23) Was the induction terminated early?

No₀ → **Go to 25**

Yes₁

24) Reason terminated early

FEV1 dropped >20%₁

Participant requested to stop₂

Other₃

Specify Other: _____

25) Did the participant require additional albuterol?

No₀ → **Go to End**

Yes₁

If participant's FEV1 dropped >20% from baseline and/or if a 2nd dose of albuterol was required, conduct a post-induction spirometry and record values here:

FEV₁

^{26a} 26)	Trial #1	
^{27a} 27)	Trial #2	
^{28a} 28)	Trial #3	

END OF FORM