



INDUCED SPUTUM WORKSHEET

For post albuterol FEV₁ <50% Predicted

ID NUMBER:

FORM CODE: ISP
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.

0e) Was sputum induction performed on this participant?

No₀

Yes₁ → **Go to 1**

0f) Reason procedure was not performed:

<35% FEV₁ prior to sputum induction₁

Participant could not perform acceptable spirometry₂

PI felt not safe₃

Participant refused₄

Other₅

0f1) If other, please specify: _____

If sputum induction was not performed, go to 31 after completing 0f.

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

No₀ → **Go to 2**

Yes₁

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

puffs

ID NUMBER:									
------------	--	--	--	--	--	--	--	--	--

Record FEV₁ for all participants. Participant that are redosed perform and record 10 minutes post albuterol.

		Pre-Sputum Induction Baseline FEV ₁
4a12)	Trial #1	
5a23)	Trial#2	
6a34)	Trial #3	

745) Trial spirometry reviewed by: _____

856) Spirometry ok to continue?

No₀ → **Go To 24**

Yes₁

1a/1b9/9a7) 10% fall from . multiplied by 0.9 is . . Use this value to determine if saline is to be increased to the next highest concentration for next inhalation period (use best FEV₁ from trials 1-3 for calculation)

2a/2b10/10a8) 20% fall from . multiplied by 0.8 is . . Use this value to discontinue procedure, give albuterol. Perform PFTs at 10 minutes (use best FEV₁ from trials 1-3 for calculation)

FEV₁

12a129)	1 min at 0.9% NaCl If FEV ₁ <20% drop, continue	
13a1310)	2 min at 0.9% NaCl If FEV ₁ <20% drop, continue	
14a1411)	5 min at 0.9% NaCl If FEV ₁ <20% drop, continue	
15a1512)	7 min at 0.9% NaCl	
1613)	First 7 minutes complete, continue induction? If FEV ₁ ≥20% drop, then stop induction procedure.	<input type="checkbox"/> No ₀ → Go to 24 <input type="checkbox"/> Yes ₁
1714)	If yes, % NaCl used: NOTE: If FEV ₁ <10% drop, then increase to 3% NaCl after sample is collected. If FEV ₁ =10-19% drop, then continue at 0.9% NaCl.	<input type="checkbox"/> 0.9% NaCl ₁ <input type="checkbox"/> 3% NaCl ₀

ID NUMBER:									
------------	--	--	--	--	--	--	--	--	--

18a18 15)	1 min If FEV ₁ <20% drop, continue	
19a19 16)	2 min If FEV ₁ <20% drop, continue	
20a20 17)	5 min If FEV ₁ <20% drop, continue	
21a21 18)	7 min If FEV ₁ <20% drop, continue	
22 19)	Second 7 minutes complete, continue induction? If FEV ₁ ≥20% drop, then stop induction procedure.	<input type="checkbox"/> No ₀ → Go to 24 <input type="checkbox"/> Yes ₁
19a)	If yes, % NaCl used: NOTE: if continuing, use same saline concentration if FEV ₁ = 10-19% If FEV ₁ <10% use next highest saline concentration	<input type="checkbox"/> 0.9% NaCl ₁ <input type="checkbox"/> 3% NaCl ₀ <input type="checkbox"/> 4% NaCl ₂
23a23 20)	1 min If FEV ₁ <20% drop, continue	
24a24 21)	2 min If FEV ₁ <20% drop, continue	
25a25 22)	5 min If FEV ₁ <20% drop, continue	
26a26 23)	7 min <i>Induction Complete.</i>	
23b)	Third 7 minutes complete.	<input type="checkbox"/> No ₀ <input type="checkbox"/> Yes ₁

*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!*

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

28 25) Was the induction terminated early?

No₀ → **Go to 27**
 Yes₁

ID NUMBER:									
------------	--	--	--	--	--	--	--	--	--

FORM CODE: ISP
VERSION: 5.0 09/24/2019

Event _____

29) Reason terminated early

- FEV₁ dropped >20%₁
- Participant requested to stop₂
- Other₃

29a) If Other, please specify: _____

30) Did the participant require additional albuterol?

- No₀ → **Go to 31**
- Yes₁

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

FEV₁

31a)31)28)	Trial #1	
36a)32)29)	Trial #2	
33a)33)30)	Trial #3	

31) Was a sputum sample collected from the participant?

- No, Neither Induced or Spontaneous₀
- Yes, Induced Sample₁
- Yes, Induced and Spontaneous Sample₂
- Yes, Spontaneous Sample₃

END OF FORM