

INDUCED SPUTUM WORKSHEET

| | |
|------------|---|
| ID NUMBER: | <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> |
|------------|---|

FORM CODE: ISW
VERSION: 1.0 10/18/2021

Event: _____

0a) Date of Collection: / /

0b) Staff Code:

0c) Procedure Start Time: : AM₁ / PM₂

Instructions: This form should be completed during the participant's clinic visit if post albuterol FEV₁ ≥ 50% predicted.

0d) Was sputum induction performed on this participant?

- No₀
 Yes₁ → **Go to 1**

0e) Reason procedure was not performed:

- Participant could not perform acceptable spirometry₁
 PI felt not safe₂
 Participant refused₃
 Other₄

0e1) If other, please specify: _____

If sputum induction was not performed, go to 24 after completing 0e.

3a11a1) Was the participant redosed with albuterol immediately prior to sputum induction? (e.g., > 165 minutes elapsed since initial bronchodilator dose for PFTs)

- No₀ → **Go to 2**
 Yes₁

3b11b1a) How many puffs of albuterol was the participant given? puffs

Record FEV₁ for all participants. Participants 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: _____

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

FORM CODE: ISW
VERSION: 1.0 10/18/2021

Event: _____

856) Spirometry ok to continue?

No₀ → **Go to 17**

Yes₁

1a/1b/9a7) 10% fall from . multiplied by 0.9 is . . Continue at present concentration – do not increase saline concentration (use best FEV₁ from trials 1-3 for calculation).

2a/2b/10/10a8) 20% fall from . multiplied by 0.8 is . . Discontinue tests, give albuterol. Perform PFTs at 10 minutes post administration (use best FEV₁ from trials 1-3 for calculation).

FEV₁

| | | |
|----------|---|---|
| 12a129) | 2 min at 3% NaCl If FEV ₁ < 20% drop, continue | |
| 13a1310) | 7 min at 3% NaCl If FEV ₁ < 20% drop, continue | |
| 1411) | First 7 minutes complete, continue induction? If FEV ₁ ≥ 20% drop, then stop induction procedure. | <input type="checkbox"/> No ₀ → Go to 17 <input type="checkbox"/> Yes ₁ |
| 1511a) | If yes, % NaCl used: NOTE: If FEV ₁ < 10% drop, then increase to 4% NaCl after sample is collected. If FEV ₁ = 10-19% drop, then continue at 3% NaCl. | <input type="checkbox"/> 3% NaCl ₁ <input type="checkbox"/> 4% NaCl ₀ |
| 16a1612) | 2 min If FEV ₁ < 20% drop, continue | |
| 17a1713) | 7 min If FEV ₁ < 20% drop, continue | |
| 1814) | Second 7 minutes complete, continue induction? If FEV ₁ ≥ 20% drop, then stop induction procedure. | <input type="checkbox"/> No ₀ → Go to 17 <input type="checkbox"/> Yes ₁ |
| 1914a) | If yes, % NaCl used: NOTE: If you did not increase % NaCl in step 11a, then continue at 3%. If you did increase NaCl to 4% and FEV ₁ < 10% drop, then increase to 5%. | <input type="checkbox"/> 3% NaCl ₁ <input type="checkbox"/> 4% NaCl ₂ <input type="checkbox"/> 5% NaCl ₃ |

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

FORM CODE: ISW
VERSION: 1.0 10/18/2021

Event: _____

| | | |
|----------|--|--|
| | If FEV ₁ = 10-19% drop, then continue at 4% NaCl. | |
| 20a2015) | 2 min If FEV ₁ < 20% drop, continue | |
| 21a2116) | 7 min <i>Induction complete.</i> | |
| 16a) | Did the participant complete the third 7 minutes of the induction? | <input type="checkbox"/> No ₀ <input type="checkbox"/> Yes ₁ |

Remind participant 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!

17) Procedure End Time: : AM₁ / PM₂

2318) Was the induction terminated early?
 No₀ → **Go to 20**
 Yes₁

2419) Reason terminated early:
 FEV₁ dropped ≥ 20%₁
 Participant requested to stop₂
 Other₃

24a19a) Specify Other: _____

2520) Did the participant require additional albuterol?
 No₀ → **Go to 24**
 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

| | | |
|----------|----------|--|
| 26a2621) | Trial #1 | |
| 27a2722) | Trial #2 | |
| 28a2823) | Trial #3 | |

24) 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