

APPENDIX F:

Sample Methacholine Challenge Report Format

Lab name, address, and phone number

Patient Name, ID number, date of birth, gender, height

Test Date, Technician/Respiratory Scientist initials

Indication for the test: (e.g., rule out asthma)

Test method: (e.g., 1-minute tidal breathing – state nebulizer or test system used)

Bronchodilator administered and dose

Time	Test phase	DOSE mcg	FEV ₁ (L)	Change FEV ₁ (% of diluent)
9:00	Pre challenge		3.10	
9:10	Post diluent		3.00	100%
9:15	0.015 mg/mL	1.9	3.05	102%
9:20	0.06 mg/mL	7.65	2.94	98%
9:25	0.25 mg/mL	31.8	2.62	87%
9:30	1.0 mg/mL	127	2.16	72%
9:45	BD recovery		3.20	107%

Bronchial responsiveness: PD₂₀ = 61 µg

Display best flow-volume and/or volume-time curve from each step

Insert or attach a dose-response plot

Signs and symptoms after final dose:

Chest tightness, wheezing

Symptoms completely resolved after bronchodilator

Interpretation:

Test quality is acceptable; Mild bronchial hyperresponsiveness.

Medical director's signature