

**RESPIRATORY SERVICES
PULMONARY FUNCTION LABORATORY**

REQUEST FOR PULMONARY FUNCTION TESTS

Phone: 604-984-5888
Fax: 604-984-3766

NAME: _____ PHONE: _____

APPOINTMENT: DATE: _____ TIME: _____

CLINICAL INFORMATION:

Test(s) required: (Please check appropriate box)

1. Pre and Post Spirometry with flow volume loops
2. Full Pulmonary Function Test, including lung volumes, DLCO, FVL and RAW
3. Oximetry: Rest _____ Exercise _____
4. Overnight Oximetry
5. ABG's on room air [], with oxygen [] _____ LPM
6. Methacholine Challenge Test
7. Progressive Exercise Test (Only ordered by Intensivist)
8. Maximum Inspiratory and Expiratory Pressures
9. Other (specify)

TEST 1, 2 AND 5 — REFER TO INSTRUCTIONS ON BACK

NOTE: REPORT TO ADMITTING 15 MINUTES PRIOR TO TEST TIME

Ordering Physician's Name

Physician's Signature

Date

INSTRUCTIONS TO DOCTOR'S OFFICE:

1. Telephone Lions Gate Hospital,
Respiratory Therapy Department: 604-984-5888
2. Information required:
 - a) patient's name and birth date
 - b) diagnosis or clinical information
 - c) patient's telephone numbers, home and office
 - d) most recent hemoglobin (if available): abnormal hgb affects DLCO result

INSTRUCTIONS TO PATIENT:

Tests 1 and 2

No bronchodilators 4 hours prior to test unless absolutely necessary.

The full pulmonary function test takes about 45 minutes. Height and weight will be recorded and then the patient will be in a sitting position for the duration of the test(s), which consist of a series of breathing tests (fast, slow, breath-holding, etc.) A bronchodilator will be given during the test.

Test 5

Your doctor has ordered a **Methacholine Challenge Test** to determine if you have asthma or reactive airways disease. It is important that you do not use any long-acting antihistamines (eg. Seldane, Hismanal) for 10 days, and shorter acting antihistamines (Chlortripolon, Tavist, etc.) for 48 hours before the test. Also bronchodilator tablets (Theodur, Quibron, Slo-Bid, Uniphyl, Theolair, etc.) should be avoided for 24 hours prior to the test. Bronchodilator inhalers (Ventolin, Berotec, Bricanyl, Atrovent, Alupent) should not be taken for 24 hours prior to the test. Long acting bronchodilators (Servent and Oxeze) should not be taken for 24 hours prior to the test. You are to continue using your steroids as normal (Beclivent, Becloforte, Flovent, Pulmicort, Prednisone). Intal and Tilade are not to be used for 8 hours before. If you are taking antidepressant pills inform your respirologist.

The therapist will first administer an aerosol or mist of salt water solution which you will breathe in through a mouthpiece. Then increasing concentrations of methacholine in aerosol solution will similarly be administered. Your bronchial tube response will be measured by having you forcibly exhale into a measuring device every couple of minutes.

You may experience coughing, chest tightness, wheezing and/or shortness of breath. Do not be alarmed. When the test is stopped you will be given Ventolin, a bronchodilator inhaler, to help relieve these symptoms. Other non-respiratory symptoms such as dry mouth and throat may also occur. By the time you go home, all side effects should have subsided. Please note that most patients experience **NO** reactions whatsoever to the test.