



**LAMELLAR BODY COUNT REFLEX, AMNIOTIC FLUID**

Test ID: LBCR  
 Secondary ID: 61179

**USEFUL FOR:** Predicting fetal lung maturity and assessing the risk of developing neonatal respiratory distress syndrome (RDS), when performed during 32 to 39 weeks gestation. Useful in cases in which Lamellar Body Count results are indeterminate.

**PROFILE INFORMATION:**

Test Id	Reporting Name	Available Separately	Always Performed
LBC/60450	Lamellar Body Count, AF	Y	Y

**REFLEX TESTS:**

Test Id	Reporting Name	Available Separately	Always Performed
FLP/8929	Fetal Lung Profile, AF	Y	N

**TESTING ALGORITHM:**

If Lamellar Body Count is indeterminate (between 15,000 and 50,000), the Fetal Lung Profile, Amniotic Fluid (8929), (includes lecithin/sphingomyelin ratio and phosphatidylglycerol) is performed, at an additional charge, to aid in the risk assessment for RDS.

**METHODOLOGY:**

LBC/60450: Sysmex XE5000, Platelet Count by Impedance Method

FLP/8929: Thin-Layer Chromatography (TLC) with Quantitation by Densitometry  
 Includes lecithin/sphingomyelin ratio (L/S) and phosphatidylglycerol (PG), semiquantitative on amniotic fluid.

**REFERENCE VALUES:**

LBC/60450:  
 Immature: <15,000/mcL  
 Indeterminate: 15,000-50,000/mcL  
 Mature: >50,000/mcL

FLP/8929:

Lecithin/ Sphingomyelin Ratio	Phosphatidylglycerol	Interpretation
<2.5	Absent	Immature
> or =2.5	Absent	Indeterminate
<2.5	Trace	Indeterminate
> or =2.5	Trace	Mature
Any ratio	Present	Mature
All results will be called back.		

**SPECIMEN REQUIREMENTS:****Collection Container/Tube:** Amniotic fluid container**Submission Container/Tube:** Plastic vial**Specimen Volume:** 10 mL**Collection Instructions:** Do not centrifuge**Additional Information:** Centrifuging the specimen may cause erroneous results**TRANSPORT TEMPERATURE:** Refrigerated**CAUTIONS:**

Surfactant secretion into the amniotic fluid is minimal prior to 32-weeks gestation.

Fetal lung maturity testing is not indicated beyond week 39.

Samples should not be frozen or centrifuged. Freezing and centrifuging the amniotic fluid falsely decreases the lamellar body count. Amniotic specimens should be blood and meconium free.

**LIST FEE:** \$48.10**CPT CODE:**

LBC: 83664\Fetal lung maturity assessment; lamellar body density

FLP Reflex: 83661-Fetal lung maturity assessment; L/S ratio  
84081-PG**DAY(S) SET UP:** LBC: Monday through Sunday; Continuously

FLP Reflex: Monday through Sunday

**ANALYTIC TIME:** LBC: 1 day/FLP reflex: 2 days

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or  
Richard R. Einerson, MML Laboratory Technologist Resource Coordinator  
Telephone: 800-533-1710