

# Pleural Fluid Analysis Interpretation

## Patient Information

Name:

Age:                      Sex:

Medical History:

Clinical Presentation:

## Procedure Details

Date of Thoracentesis:

The Volume of Pleural Fluid Extracted:

Appearance of Pleural Fluid:

- Clear
- Turbid
- Bloody
- Milky

## Physical Characteristics

Color:

- Normal (Pale Yellow)
- Abnormal (Specify: \_\_\_\_\_)

Clarity:

- Normal
- Abnormal (Specify: \_\_\_\_\_)

Viscosity:

- Normal
- Abnormal (Specify: \_\_\_\_\_)

## Laboratory Results

- **Protein Level:**            (Normal Range: \_\_\_\_\_ g/dL)
- **Glucose Level:**        (Normal Range: \_\_\_\_\_ mg/dL)
- **LDH Level:**            (Normal Range: \_\_\_\_\_ U/L)

## Differential Cell Count

- **Total White Blood Cell Count:** \_\_\_\_\_ cells/mm<sup>3</sup>
  - Neutrophils: \_\_\_\_\_%
  - Lymphocytes: \_\_\_\_\_%
  - Other (Specify): \_\_\_\_\_%

## Microscopic Examination

### Interpretation

#### 1. Infection

- Bacterial
- Fungal
- Viral
- Tuberculous

#### 2. Inflammation:

- Rheumatoid arthritis
- Lupus
- Other (Specify): \_\_\_\_\_

#### 3. Malignancy

- Positive for suspicious atypical cells
- Negative for malignant cells

#### 4. Other Findings

- Heart failure-related changes
- Chylothorax
- Hemothorax

## **Clinical Implications**

- **Recommended Further Investigations:**
  
- **Proposed Treatment Plan:**
  
- **Follow-up Recommendations:**

**Physician's Signature:**

**Date:**