



PROTEIN
BIOTECHNOLOGIES

PATHOLOGY REPORT

Catalog No. T1-041

Tissue: Lung

Location: Right lower lobe.

Diagnosis: Adenocarcinoma

Stage: T₁N₀M₀

Grade: Not recorded.

Sex: Female

Age: 67 years

Gross findings: Tumor size 5 cm in diameter, well demarcated.
Cut section soft, hemorrhagic and necrotic.
Ipsilateral hilar lymph nodes: 0

Microscopic findings: Tumor shows proliferation of malignant epithelial cell clusters. Epithelial cells form clusters with irregular, basophilic, large nuclei and predominant nucleoli. Nuclear chromatin is coarse and irregularly distributed. Mitotic figures are evident. The surrounding stroma is hemorrhagic and infiltrated by large numbers of lymphocytes, plasma cells, eosinophils and neutrophils. Tumor necrosis and blood vessel invasion are revealed.