





**PROTEIN**  
BIOTECHNOLOGIES

**PATHOLOGY REPORT**

**Catalog No.:** T1-051  
**Tissue:** Lung  
**Location:** Right lung.  
**Diagnosis:** Adenocarcinoma, moderately differentiated.  
**Stage:** II T<sub>2</sub>N<sub>0</sub>M<sub>x</sub>  
**Grade:** II  
**Sex:** Female  
**Age:** 32 years

**Appearance:**

<u>Macroscopic</u>	<u>Characteristics</u>	<u>+/-</u>
Organ: Lung	Encapsulated:	-
Size: 3.0 x 4.0 cm.	Invaded:	+
Color: Whitish	Hemorrhagic:	-
Consistency: Firm	Cystic degeneration:	-
Cut surface: Homogenous	Calcification:	-

**Histologic pattern:**

<u>Cell distribution:</u>	<u>+/-</u>	<u>Structure / Pattern:</u>	<u>+/-</u>
Diffuse:	-	Streaming:	-
Mosaic:	+	Storiform:	-
Necrosis:	+	Fibrosis:	-
Lymphocytic infiltration:	+	Pallisading:	-
Vascular invasion:	-	Cystic degeneration:	-
Clusterized:	-	Bleeding:	-
Alveolar formation:	+	Myxoid change:	-
Indian file:	-	Psammoma body:	-

**Cellular differentiation:**

<u>Squamous:</u>	<u>+/-</u>	<u>Adenomatous:</u>	<u>+/-</u>	<u>Sarcomatous:</u>	<u>+/-</u>
Squamoid:	-	Glandular cell:	+	Round cell:	-
Spindle:	-	Cell stratification:	+	Spindle cell:	-
Keratin:	-	Secretion:	-	Leiomyoblast:	-
Desmosome:	-	Intracellular vacuole:	+	Lipoblast:	-
Pearl:	-	Glandular formation:	+	Rhoadomyoblast:	-

**Nuclear atypia:**

<u>Nuclear Appearance:</u>	<u>0</u>	<u>I</u>	<u>II</u>	<u>III</u>
Anisonucleosis:			X	
Hyperchromatism:		X		
Nucleolar prominent:		X		
Multinucleated giant cell:		X		
Mitotic activity:			X	
Nuclear grade:			X	