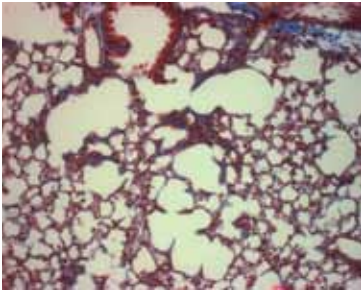
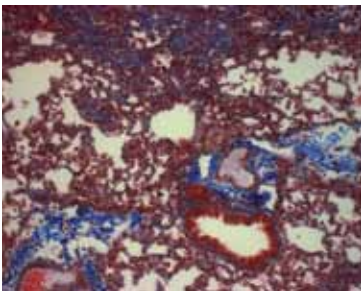


## Pulmonary Fibrosis:

Bleomycin treated + Dexamethasone



Bleomycin treated + Vehicle

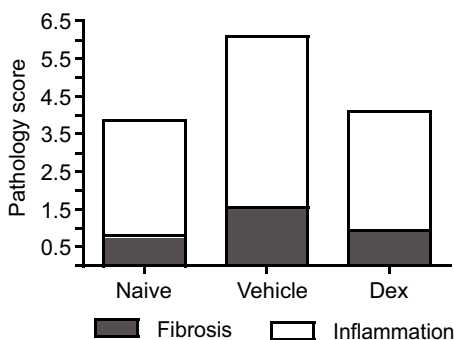


Idiopathic pulmonary fibrosis is a disease with an unknown cause and a poor prognosis. It is one of the most common forms of interstitial lung disease characterized by the replacement of normal alveolar space by mesenchymal cells and extracellular matrix. The sequence of events leading to lung fibrosis involves injury followed by inflammation, disruption of the normal tissue architecture and dysregulated tissue repair. Despite considerable progress in understanding the pathophysiology of this disease, there is still no effective treatment. Bleomycin-induced lung injury in mice is a well-defined in vivo model to test the anti-fibrotic potential of novel therapeutics.

## Experimental readouts:

- Lung function studies
- Histological analysis
- Determination of cellular infiltrate into the tissue and airways
- Collagen content
- Analysis of tissue cytokines and chemokines

Histological analysis



## Duration:

10-20 days dependent upon experimental readouts

Our scientific project managers can provide expert advice and guidance for all of your efficiency studies.

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Service Package I is available alone, or in combination with Service Packages II and III

### Service Package I

- Administration of test compounds
- Initiation of disease model
- Analysis of cell infiltrate

### Service Package II

- Lung function
- Histological analysis

### Service Package III

- Analysis of airway and tissue cytokines and chemokines