

Mouse model of bleomycin-induced lung fibrosis

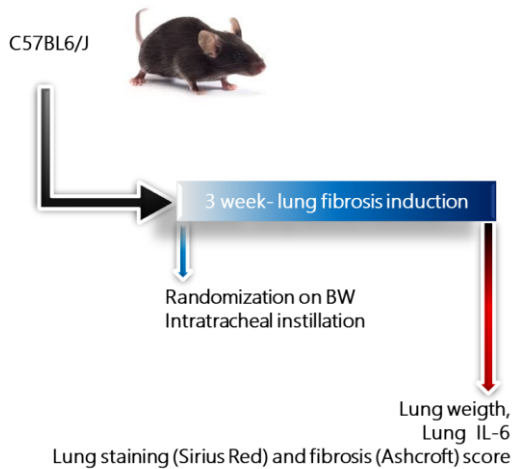
Physiogenex provides the most used mouse model of lung fibrosis to evaluate the efficacy of your drugs targeting fibrosis

Key benefits

- ✓ An optimized and cost-effective animal model to rapidly evaluate drug efficacy on lung fibrosis within 3 weeks
- ✓ Histopathology expertise and biochemical assays to confirm the anti-inflammatory and anti-fibrotic effects of your drug.

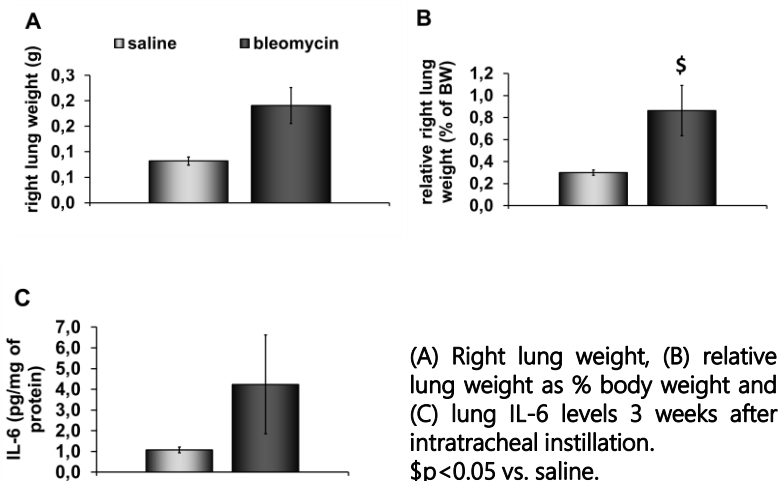
EXPERIMENTAL DESIGN

- Background strain: C57BL6/J mice
- Age/Gender/Weight: 8-week-old, male, ~23-25g
- Induction: single bleomycin intratracheal instillation and 3 weeks follow-up

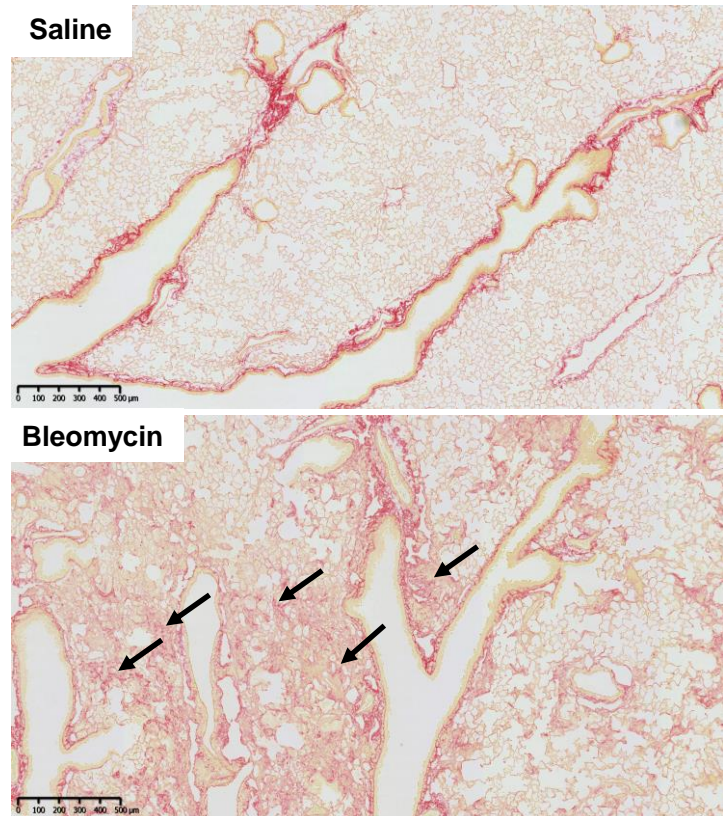


MODEL CHARACTERISTICS

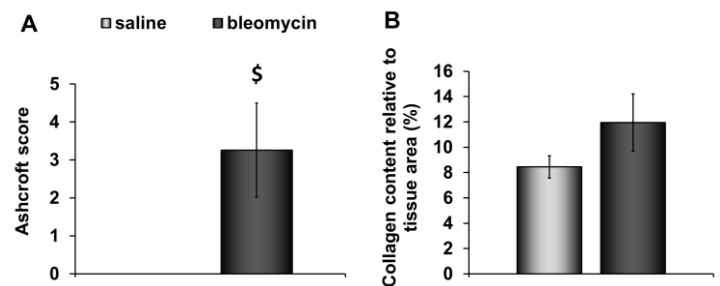
1- BLEOMYCIN INDUCES LUNG HYPERTROPHY AND INFLAMMATION



3- BLEOMYCIN INDUCES LUNG INFLAMMATION AND FIBROSIS



Representative Sirius Red staining in saline-instilled (upper panel) and bleomycin-instilled mice (lower panel). Scale bar: 500µm. Arrows show fibrotic masses.



(A) Ashcroft score and (B) collagen content relative to lung tissue area measured by Sirius Red staining 3 weeks after intratracheal instillation. \$p<0.05 vs. saline.