

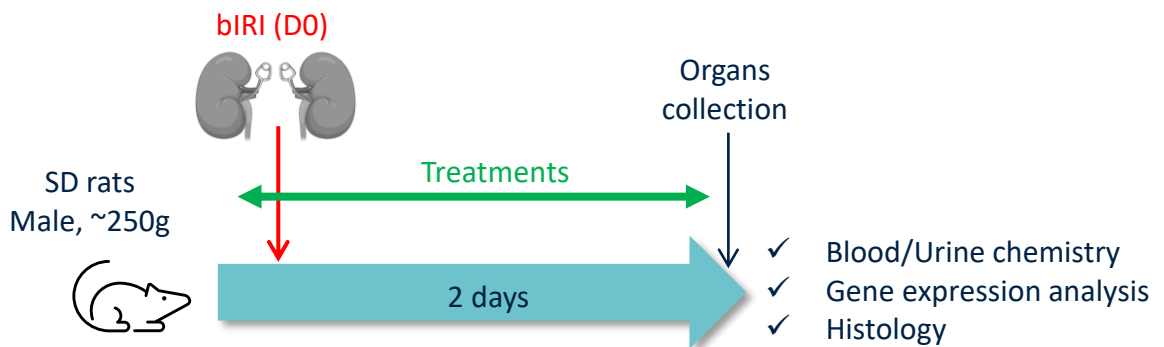
Bilateral Ischemia-Reperfusion (IRI) Model – Rat

Renal IRI induces acute kidney injury characterized by tubular necrosis, inflammation, and oxidative stress. NEPHRIX Biosolutions offers a bilateral IRI rat model reproducing the key features of human AKI. This clinically relevant model enables comprehensive assessment of renal function, providing a robust tool for evaluating reno-protective therapies.

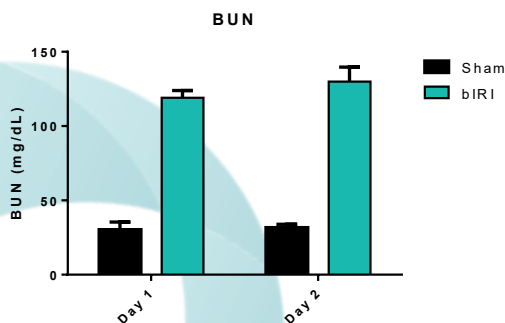
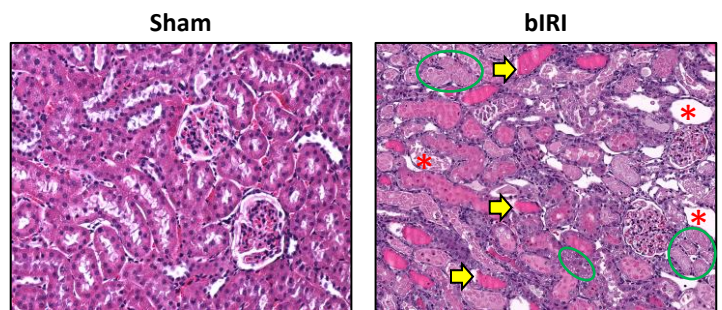
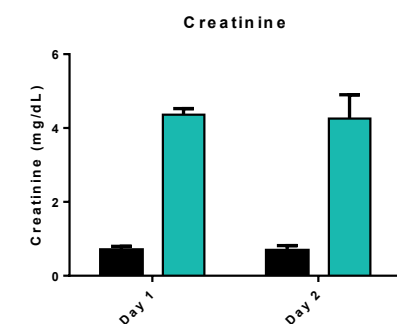
Assay features

- Surgical model on Sprague Dawley rats
- Customized severity (ischemia durations)
- Blood / Urine chemistry and histological analysis
- Suitable for drug screening (2 days protocol)

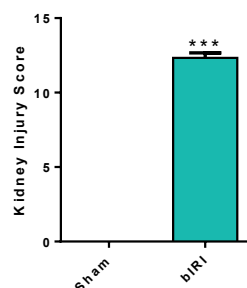
Study design



Assay readouts



KIS
(Tubular casts + dilatation + necrosis)



- ➡ Tubular casts
- * Tubular dilatation
- Tubular necrosis