

In vitro DuoXProx™ Fibrosis assay

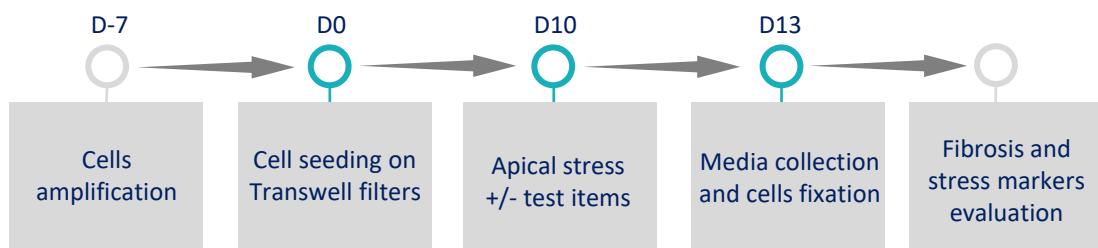
NEPHRIX
Biosolutions

Reconstituting the native cellular environment is essential to understand disease mechanisms *in vitro*. In kidney research, reliable models to assess renal fibrosis progression are needed. Our DuoXProx™ co-culture assay combines proximal tubular cells and renal fibroblasts within a single system, enabling the evaluation of fibrosis-related parameters while reproducing the cellular crosstalk driving pathological remodelling.

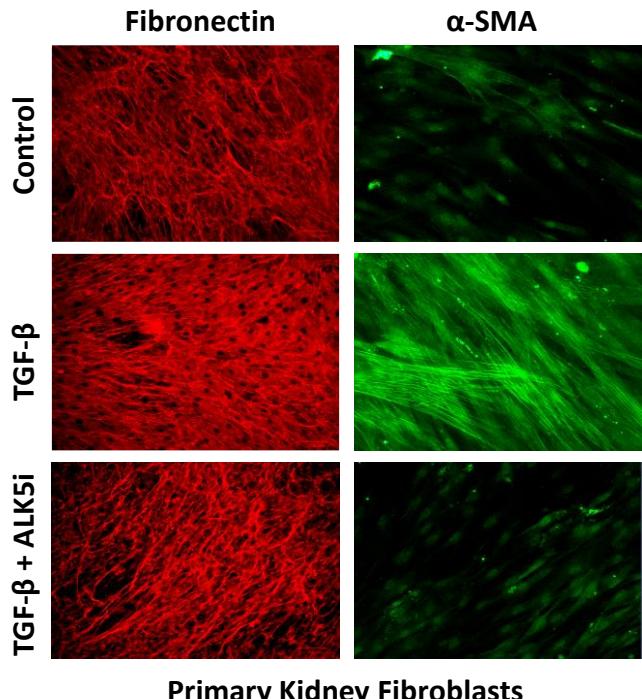
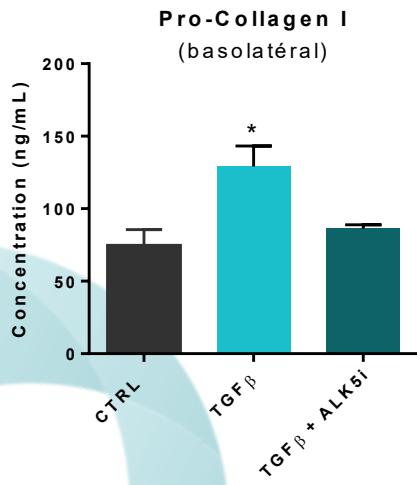
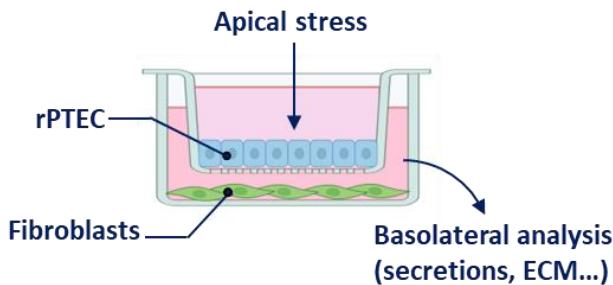
Assay features

- Co-culture system reconstituting the original cellular environment
- Hormonal, Diabetic, Nephrotoxic or Hypoxic stress
- AI-based image analysis
- ELISA / Multiplex dosage of secreted cytokines
- Customizable with multi-parameters analysis

Study design



Assay readouts



Multi-parameters assessment available:

- + Gene expression analysis
- + Multiplexing dosages