Quick Guide – Quantification of functional FGF21 using *i*Lite® FGF21 Assay Ready Cells

1. Sample dilution
   - Equilibrate reagents and samples to room temperature – do not thaw cells and substrate reagents at this stage
   - Dilute calibrators, controls and samples
   - Add 40 µL calibrators, controls and diluted samples to pre assigned wells
   - Thaw the vial of cells in a 37°C water bath. Mix cell suspension with pipette in order to ensure a uniform cell suspension. Dilute the cells
   - Add 40 µL diluted cells to each well

2. Incubation 6 h
   - Incubate at 37 °C with 5% CO₂ for 6 hours.

3. Read plate
   - Equilibrate the plate to room temperature
   - Prepare the Firefly luciferase substrate according to the supplier’s instructions and add 80 µL per well. Mix. Protect the plate from light. Read in a luminometer after 10 min incubation.
   - If appropriate, prepare the Renilla luciferase substrate according to the supplier’s instructions and add 80 µL per well. Mix. Protect the plate from light. Read in a luminometer after 20 min incubation.

Troubleshooting and FAQ

Please consult Euro Diagnostica’s website [www.eurodiagnostica.com](http://www.eurodiagnostica.com)

References