

Cytotoxicity Testing on the HS27 Cell Line

1. Objective of the service

Evaluation of the cytotoxic potential of one or more test samples on a live cell culture, by monitoring cell viability over time, using a non-invasive, non-lytic luminescence assay that allows repeated readings on the same well at successive time points.

2. Biological material

- Cell line: HS27 (human dermal fibroblasts).
- Cultured in complete medium (base medium supplemented with 10% fetal bovine serum), under standard incubation conditions (37 °C, 5% CO₂, humidified atmosphere).

3. Methodology

Cell viability is determined using the Real-Time-Glo MT Cell Viability Assay kit (Promega, cat. G9712), a non-lytic luminescence assay that allows monitoring of viability kinetics on the same wells, without destroying the cell culture.

- HS27 cells are seeded into 96-well plates, white, with a clear bottom (compatible with both luminescence reading and microscopic inspection of the culture).
- The luminescence solution is prepared according to the manufacturer's instructions at a 2x concentration and added 1:1 into the wells containing cells.
- Successive luminescence measurements are performed at 24, 48, and 72 hours after treatment/test sample application.
- Each experimental condition (untreated control, vehicle/solvent control, test sample at various concentrations) is performed in triplicate.

4. Deliverables

Final research report including a description of the methodology, raw luminescence data at the three time points (24h, 48h, 72h), cell viability curves over time, and conclusions regarding the cytotoxicity profile of the test sample(s).

5. Estimated duration

Approximately 7 working days from the start of the experiment (including cell expansion time, the three measurement points at 24/48/72h, and report writing).

6. Estimated budget — 1 experimental scenario with all controls included (untreated control, positive cytotoxicity control, solvent control, treatment), in triplicate

TOTAL (excl. VAT): 579.20 EUR

Amounts converted from RON at an indicative exchange rate of 1 EUR = 5.24 RON (as of early July 2026); actual invoicing will use the exchange rate applicable on the billing date.

Prices are estimates and may vary depending on the supplier and availability at the time of ordering. Values do not include VAT.

7. Terms and conditions

- The test sample(s), as well as any additional requirements (concentrations, solvents, specific treatment conditions), will be established together with the client before the start of the experiment.
- Results are for research/in vitro testing purposes only and do not constitute a regulated safety assessment.
- This offer is valid for 30 days from the date of issue.