

Looking for a simple and reliable way to quantify cell death in your samples?

The **Nu.Q® H3.1 immunoassay** measures circulating nucleosomes, a robust biomarker released during cell death.

It provides a **quantitative, reproducible and scalable solution** for cell death assessment in biological samples

How does it work?

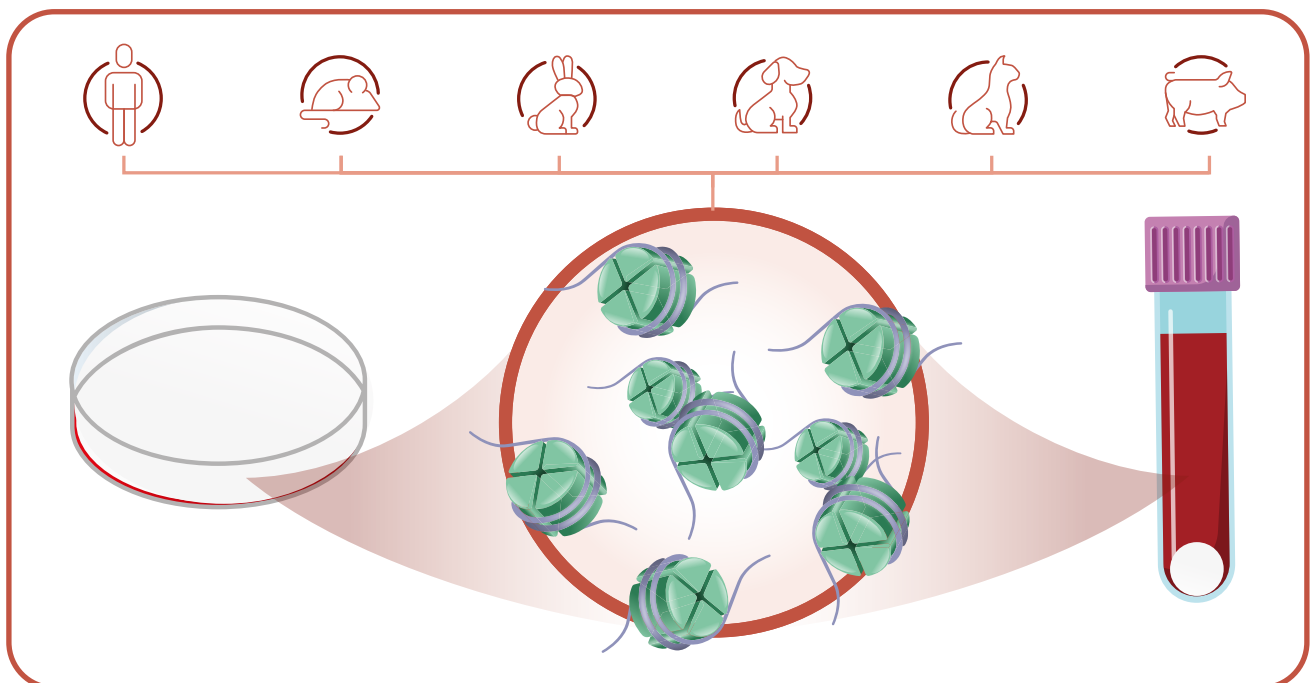
The assay detects **nucleosomes**, a fundamental unit of chromatin.

During Cell Death, chromatin is fragmented and nucleosomes are released into:

- Cell culture supernatant
- Plasma samples
- Other biological fluids
- Extracellular environments

Because nucleosomes are stable complexes of DNA and histone proteins, their concentration **correlates with the extent of cell death**.

Importantly, the assay is designed to **work across multiple species**, enabling broad applicability in research, preclinical studies, and translational workflows.



Why measure nucleosomes?

Nucleosomes provide a robust marker of **cell death**.

Unlike free DNA or histones, nucleosomes are more stable, making them more reliable for quantitative detection.

Available formats:

The Nu.Q® H3.1 immunoassay is available in two flexible formats:

96-well ELISA

- Ideal for routine laboratory workflow
- Compatible with standard plate readers

Chemiluminescent immunoassay (ChLIA)

- Designed for automated platform
- Enables high-throughput workflow
- Larger dynamic range

Key benefits of the Nu.Q® assay:

Quantitative

Results reported in ng/ml, enabling precise comparison between samples.

Reproducible

Optimized antibody pairs ensure consistent detection
High assay precision on both platforms

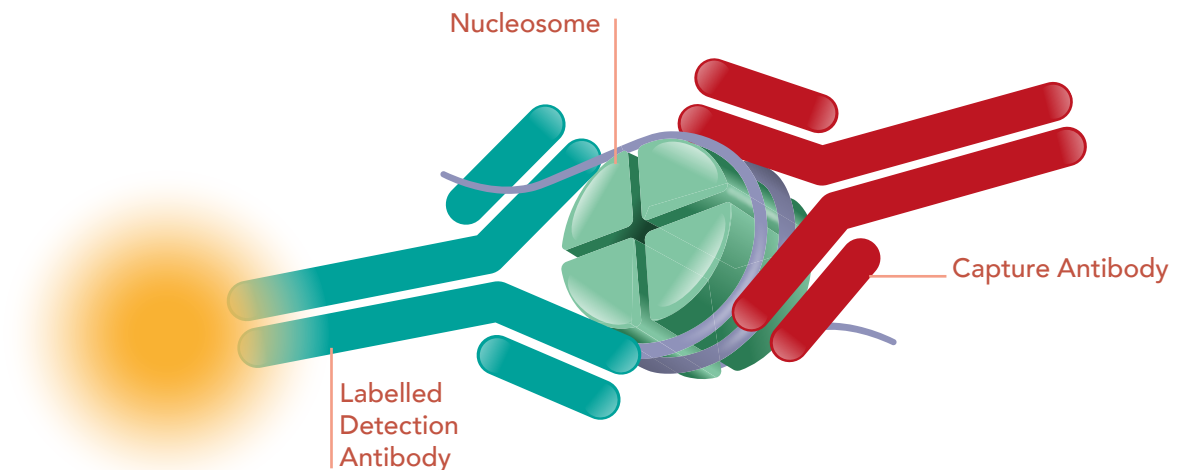
Broad detection of cell death

Measures mono- and oligo-nucleosomes, capturing multiple cell death pathways

Specific detection of nucleosome complexes

Uses antibodies against histone and nucleosome

- Detecting intact nucleosomes
- Not free DNA or histone alone
- Improved stability



Learn more:

For experimental guidance:

- Nu.Q® H3.1 immunoassay Instruction for Use (IFU) ELISA
- Nu.Q® H3.1 immunoassay Instruction for Use (IFU) ChLIA (available on request)
- Contact us for help investigating other biofluids