

nLiven PR®



Preserving the promise™

A pathogen-reduced and xeno-free cell culture media supplement

nLiven PR® is a GMP-ready pathogen-reduced human platelet lysate (hPL) with superior performance and quality standards that offers significant advantages for cell and gene therapy manufacturing by providing a reliable, effective, safe, compliant, and reproducible culture supplement. nLiven PR is your tool to develop therapeutics by providing:

- ◆ **Improved cell growth and performance:** nLiven PR is a biodefined growth supplement that supports a wide range of cell types, including MSCs, T-cells, NK cells, and endothelial cells. It contains high concentrations of growth factors and cytokines, promoting cell growth, proliferation, and improved cell quality, especially in CAR-T applications.
- ◆ **Reduced risk of contamination:** The pathogen-reduction technology utilizes E-Beam irradiation during the manufacturing process of nLiven PR to minimize the residual risk of pathogens/viruses in the final product.
- ◆ **Reduced lot-to-lot variability:** The biodefined composition of nLiven PR helps to reduce inconsistencies between batches, leading to more predictable and robust cell manufacturing.

- ◆ **Lower cost of goods (COGs):** Studies suggest that nLiven PR can support reduced supplemental cytokine addition, potentially leading to lower costs in scaled GMP manufacturing processes*.
- ◆ **Increased T-cell memory phenotypes:** Research indicates that culturing T-cells with nLiven PR can lead to a higher population of central memory T-cells, which are important for therapy persistence in vivo.
- ◆ **Reduced donor-to-donor variability:** Using nLiven PR supplemented media has been shown to result in lower variability in cell yield and central memory phenotypes compared to other options like AB serum, leading to more consistent culture conditions.
- ◆ **Clinical trial use:** nLiven PR is currently utilized in multiple clinical studies globally, demonstrating its effectiveness in real-world applications.

Vital to R&D and clinical processes

- ◆ Available in 100mL and 500 mL bottles for easy handling.
 - 100 mL Part #: PL-PR-100
 - 500 mL Part #: PL-PR-500
- ◆ No heparin added during production or required for use.
- ◆ Ample supply to meet your large-scale commercialization needs.

*Data on file.