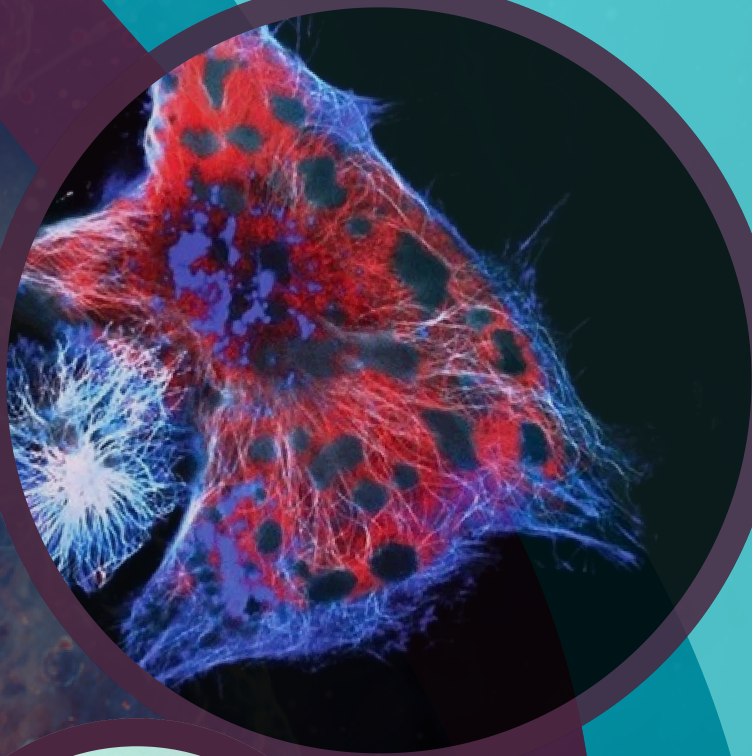
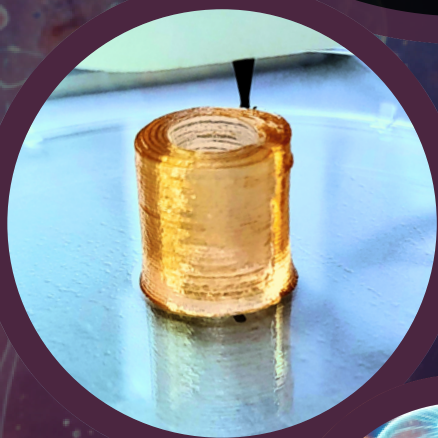
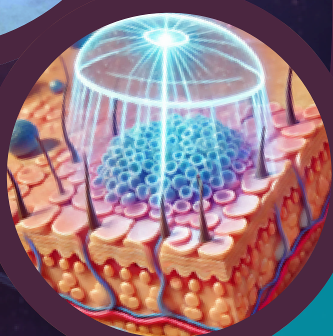
POLBIONICA

# CleanCure®
# Bioink

*Powered by light*
*Pure by design*







Introducing the CleanCure Series—a new generation of biomaterials tailored for the most demanding tissue engineering applications

# CleanCure X-Series

offers a portfolio of specialized bioinks optimized for advanced tissue engineering workflows.

All components in the CleanCure Series are delivered sterile and ready-to-use—formulated for direct mixing with cells and immediate application, without the need for additional preparation steps.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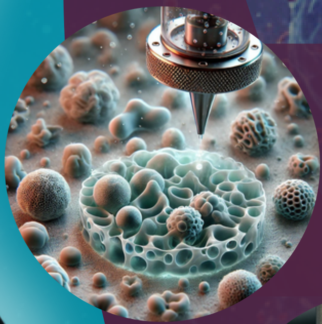
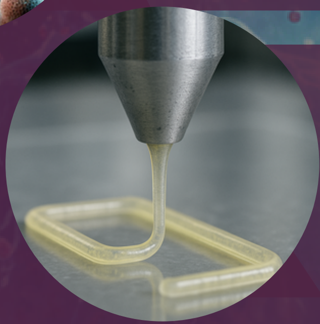
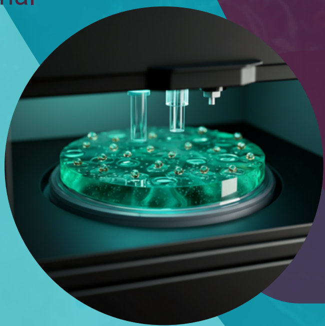


Adjustable degradability
Precisely control degradation profiles.
Tailored swelling behavior optimize swelling for specific applications.
Custom mechanical properties Fine-tune mechanical strength and elasticity.

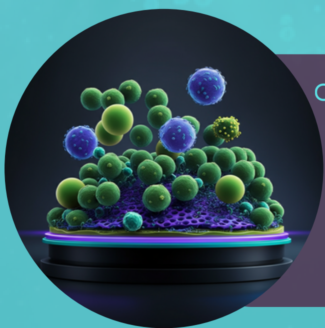


**Ready-to-print:** Minimal preparation needed; simply condition the biomaterial and print.
**Reliable outcomes:** Transforms problematic biomaterials into reliable bioinks.
**Stable formulations:** Consistent print quality every time



Our hydrogels simplify bioprinting workflows, offering ready-to-use and fully customizable options that save time and enhance reliability.
Simple usage: Load, expose, print.
Robustness: Reliable under standard conditions.
Easy integration: Compatible with standard bioprinters.

**No cytotoxic initiators:** Eliminates toxicity from initiators and their degradation products.
**Pure and clean reaction:** Ensures a safer environment for cell growth and tissue regeneration.



Our biomaterials are designed for optimal cell viability, significantly reducing DNA damage through effective chromophore shielding during UV-Vis exposure.
**High cellular viability:** Suitable for sensitive cell types.
**Efficient energy absorption:** Protects (!) cellular DNA.
**Mechanical stability:** Maintains cell integrity during printing.