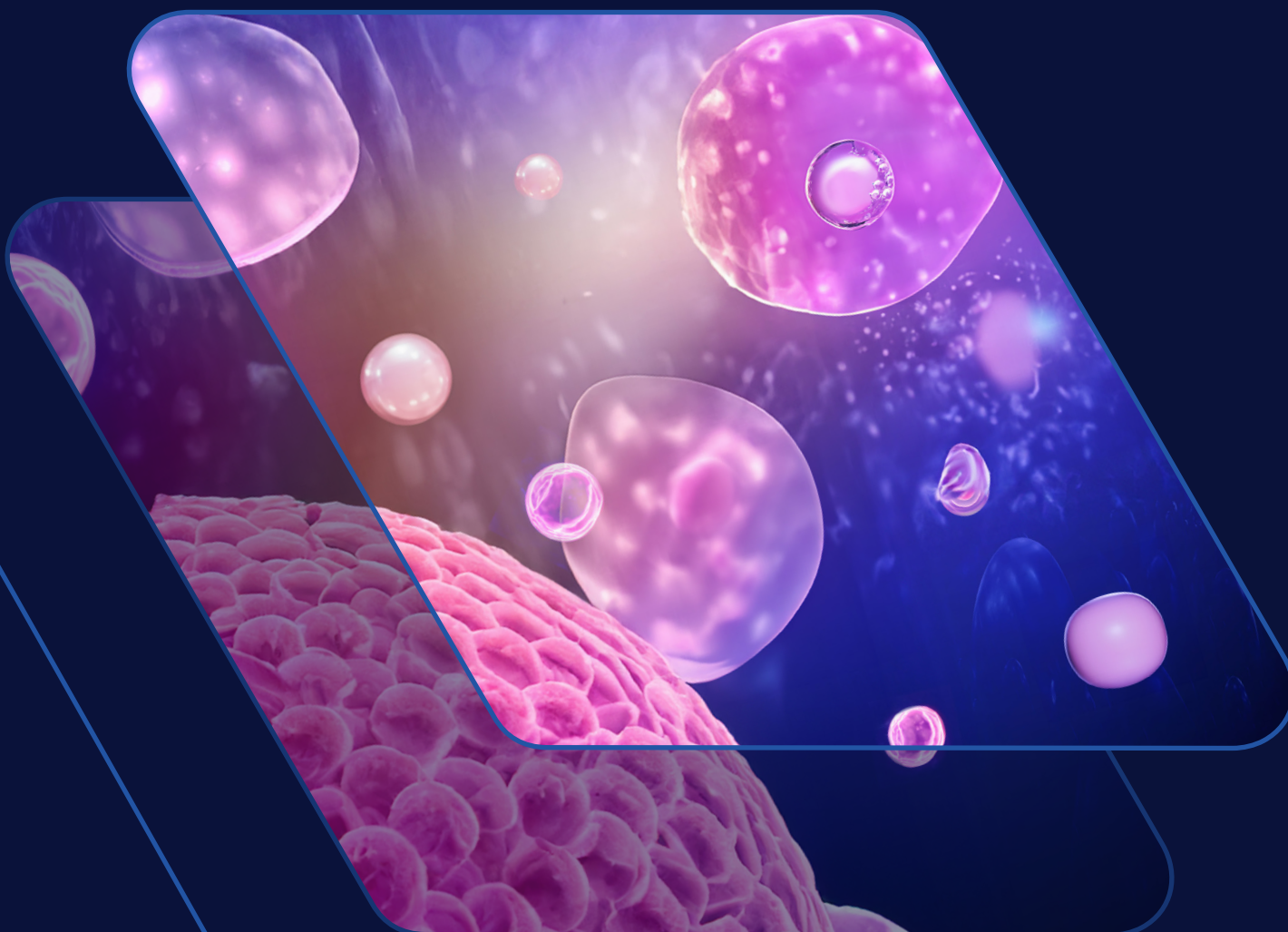
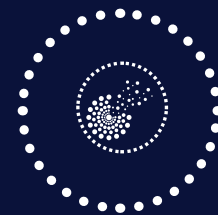


# Precellys Multi Tissue Dissociation Kit



## The reliable kit for obtaining single viable cells

- Bead-shearing dissociation
- High viability rate
- Versatility

# TISSUE DISSOCIATION KIT

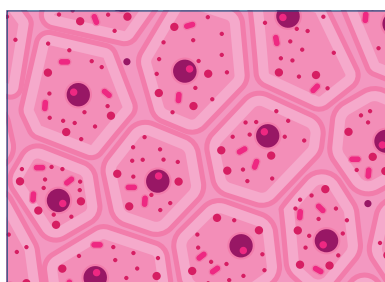
**Tissue dissociation** refers to the process of separating cells from tissue by breaking down biological tissues into **individual living cells** for research and experimental purposes, including single-cell analysis, cell culture, purification of certain cell populations, and the generation of primary cell lines.

This crucial process often leads to an alteration in the tissue's structure. It is therefore necessary to dissociate tissues efficiently without compromising cell viability or altering their properties. This is why the choice of tissue dissociation kit is crucial to ensure **reproducible, reliable results** and a **high yield of viable individual cells**.

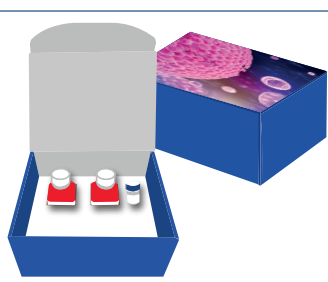
The solution consists of two references: Precellys Dissociation Tube and Precellys Multi Tissue Dissociation Kit, with a specific protocol for their use, depending on the type of tissue. Tissue dissociation methods can involve mechanical disruption, enzymatic digestion, or a combination of both, depending on the type of tissue and the desired outcome.

Specially designed for use with **Precellys Evolution & Precellys Evolution Touch**, homogenizers renowned on the market for their flexibility and efficiency, and combined with the bead-shearing technology, the new tissue dissociation kit developed by Bertin Technologies ensures a **high yield of viable individual cells**. This innovation guarantees **reproducible results, optimal cell viability, and maximum cell purity**, facilitating research and experimentation on sensitive and complex tissues such as mouse spleen, liver, lung, heart, and thymus. Using Bertin's Precellys tissue dissociation kit, researchers can obtain **more than 90% of viable single cells for multiple tissue types**.

\*Source: Internal data validated from mouse thymus, spleen, liver, heart and lung dissociation.



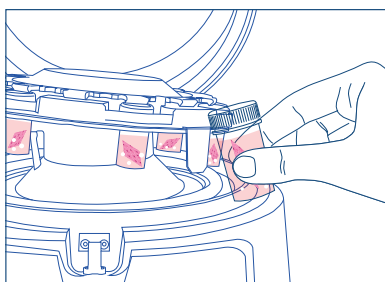
1. Prepare your tissue samples.



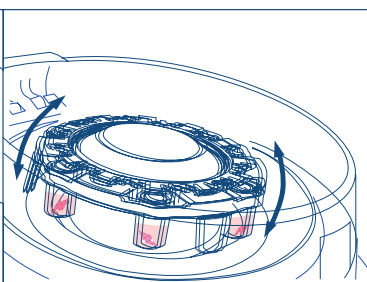
2. Take the dissociation kit containing the 15ml tube with dedicated dissociation matrix and the enzyme cocktail.



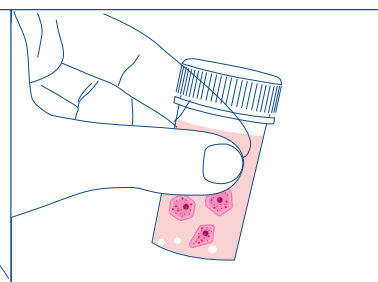
3. Put the tissue in the tube with the enzyme cocktail.



4. Load the tubes on the Precellys Evolution 15mL patented format.



5. Dissociation is achieved in a couple of seconds thanks to the 3D bead-shearing technology.  
\*an additional incubation period will be necessary for some tissue types



6. Get your free-living single cells.

Discover our comprehensive range of solutions

