

Cold Dissociation Enzyme Mix - Kidney

FAQs

1. Can the kit be used with tissue other than kidney?

The Cold Dissociation Enzyme Mix - Kidney is intended for dissociation of kidney tissue for single-cell workflows. It has not been tested with other tissue types.

2. Can I use the Cold Dissociation Enzyme Mix - Kidney for manual tissue dissociation?

The mix has been optimized for use with semi-automated tissue disaggregation systems, specifically the VIA Extractor™ tissue disaggregator, to perform low-temperature enzymatic dissociation for single-cell workflows and cell counting operations. Any use outside of the VIA Extractor™ tissue disaggregator would require further optimization by the user.

3. At what temperature should I dissociate kidney tissue?

You can dissociate kidney tissue using the Cold Dissociation Enzyme Mix according to your internally validated procedure at 4°C. As the mix is intended for cold dissociation, it has not been tested on dissociation protocols that work at 37°C.

4. How long will the dissociation procedure take?

Using the VIA Extractor™ tissue disaggregator at a speed of 200 rpm and temperature setting of 2°C, the protocol should take 15 minutes.

5. How should the enzymatic mix be stored?

Store the Cold Dissociation Enzyme Mix - Kidney in a clean and dry environment, without chemical or biological contamination, between -20°C and +4°C.

6. What is the shelf life of the enzyme mix?

The Cold Dissociation Enzyme Mix - Kidney has a shelf life of 12 months.

7. How much enzyme mix should be added for effective kidney tissue dissociation?

Add 5 mL of enzyme mix and one tissue sample weighing up to 300 mg into each compartment of the Omics Pouch. For smaller tissue samples, you can adjust the volume of enzyme mix, accordingly, but do not use less than 2 mL of the mix per Omics Pouch compartment.

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