6



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⋄ Tissue freezing in Cryostor solution + processing

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1 Works for me

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ABSTRACT

Tissue freezing in cryostor solution and recovery for tissue processing

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MATERIALS TEXT

MATERIALS

⊗FBS Invitrogen - Thermo Fisher

Scientific Catalog #11875093

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- 1 Chill Cryostor solution (CS10) on ice (C2874-Sigma).
- 2 Most tissue is collected in Hyperthermosol and kept on ice or at $\; rak{1}{2} \, 4 \, {}^{f c} \,$.

3	Place tissue in petri dish, add enough ice cold RPMI/10% FBS to cover the tissue (depend on tissue size).
4	Mince tissue with 2 scapels, just like what we would do for enzymatic digestion.
5	Carefully transfer minced tissue into a 50ml falcon tube.
6	Wash and rinse the petri dish with plenty of RPMI/10% FBS. Transfer the RPMI/10%FBS and remaining tissue pieces into the falcon tube.
7	Centrifuge at 1500 rpm for 3 minutes.
8	Discard supernatant.
9	Resuspend the tissue in 1 ml of ice cod CS10 and transfer into a cryovial.
10	Rinse the falcon tube with 0.8 ml of extra cold CS10 and transfer into the cryovial.
11	Place cryovial in CoolCell and leave in 8-80 °C freezer overnight.
12	Remove cryovial from CoolCell next day, and store cryovial in designated box in 8 -80 °C .
13	To process cryopreserved tissue, thaw cryovials in water bath at 8 37 $^{\circ}\text{C}$.
14	Transfer thawed tissue into a falcon tube containing 20ml warm RPMI/10% FBS.
15	Centrifuge at 500 x g for 4 minutes.

3