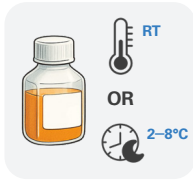
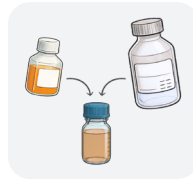


Preparation of Complete MSC Culture Medium

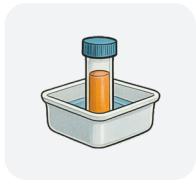


1 Thaw the MSC XF Supplement at room temperature (RT; 15–25°C) or overnight at 2–8°C



2 Add MSC XF Supplement to MSC XF Basal Medium at 1:20 dilution

Thawing of MSCs and Media Change



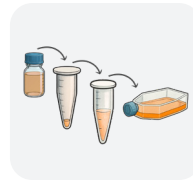
1 Thaw frozen cells



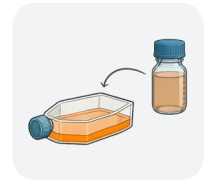
2 Transfer to a tube containing complete MSC XF Medium



3 Centrifuge at 200 x g for 5 mins at RT. Discard supernatant

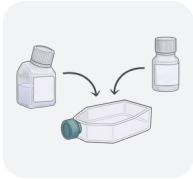


4 Resuspend cells and plate into culture vessel

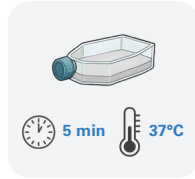


5 Change the media every 2 to 3 days using complete MSC XF Medium

Subculture and Expansion of MSCs



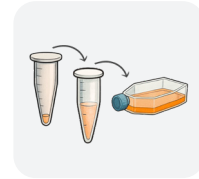
1 Aspirate medium. Rinse cells with D-PBS(–/–) and add Accumax



2 Incubate for 5 mins at 37°C. Collect detached cells in a tube with complete media

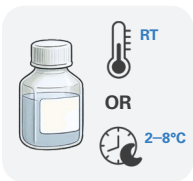


3 Centrifuge at 200 x g for 5 mins. Discard supernatant

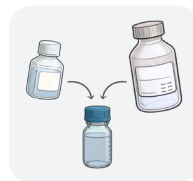


4 Count and resuspend cells in complete media. Transfer to cell culture vessel

Preparation of Complete MSC EV Wonder

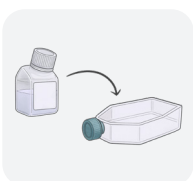


1 Thaw the MSC EV Supplement at RT or overnight at 2–8°C



2 Add MSC EV Supplement into the MSC EV Basal Medium at 1:20 dilution

EV Induction and Harvest



1 Rinse the cells with D-PBS(–/–)



2 Add Cellartis MSC EV Wonder



3 After 5 days, collect supernatant