



microtissues[®]
natural 3D

Harvesting Multi-cellular Microtissues from the 3D Petri Dish[®]

The multi-cellular microtissues do not adhere to the gel, so they are easy to harvest from the 3D Petri Dish[®]. Use a micro-pipette to carefully squirt culture medium into the seeding chamber to dislodge the microtissues from the micro-wells. The microtissues are then harvested by drawing them up into the micro-pipette. The harvested microtissues can be washed and processed for subsequent applications (RT-PCR, Western blots, histology, immunostaining). This method is easy, fast and works very well for spheroids. For some applications, the following centrifuge method may be useful.

1. Remove cell culture medium surrounding the 3D Petri Dish[®] containing the multi-cellular microtissues.
2. Place fresh cell culture medium into the well of a **new** 12 or 24 well plate depending on the size of the 3D Petri Dish[®] used (1.0mL for 12 series or 0.5ml for 24 series).
3. Carefully remove the 3D Petri Dish[®] with a sterile spatula or sterile tweezers. **Invert** the 3D Petri Dish[®] into the well of the new plates. Be careful to not create air bubbles between the upside down 3D Petri Dish[®] and the bottom of the new culture plate. Cover the plate and place the 6-well plate in a swinging bucket rotor in a centrifuge and spin for 5 minutes at 500 rpm.
4. After centrifugation, view the inverted 3D Petri Dish[®] under the microscope to ensure that the multi-cellular microtissues have been released.
5. Remove the empty 3D Petri Dish[®] with a sterile spatula or sterile tweezers.
6. The harvested multi-cellular microtissues remaining in the cell culture medium can be washed and further processed depending on the application. (Immuno-staining, Western blot, RT-PCR, etc).

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