



Centrifugation of TPP Tissue Culture Test Plate

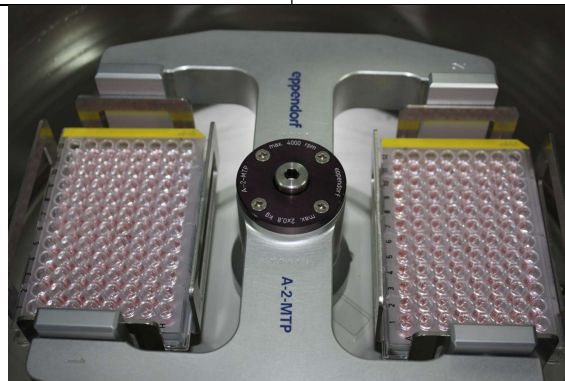
Test performed with 92097



Medium: Distilled water 20 °C



Wells filled with 60 μ L



Centrifuging at 2'254 x g (RCF) for 5 minutes



No fractures or cracks visible from top



When backlit, there are no fractures or cracks visible below



TPP tests indicate that centrifuging is possible using TPP test plates. Test the variety of influencing factors under routine conditions and the parameters you have selected in advance. TPP does not guarantee the feasibility or suitability of TPP test plates for centrifugation.

- The use of appropriate rotors or centrifuge adapters is recommended. Follow the centrifuge manufacturer's safety instructions.
- If a higher RPM (revolutions per minute) is required and/or plates are to be stacked, perform a test run with a water-filled plate at the desired RPM and time.
- The mechanical strength of plates during centrifugation is influenced by
 - o Shape and material
 - o Accuracy of fit in the centrifuge adapter
 - o Temperature
 - o Centrifugation time
 - o Relative centrifugal force (RCF)
 - o Chemical and physical properties of the material being centrifuged
 - o Rotor type: fixed angle or swing-out rotor
 - o Volume and density of the media in the wells of the plate.
- Properly balance and distribute the load in a centrifuge to ensure optimal performance and prevent damage. Always balance opposing buckets or loads within the manufacturer's specified range. Distribute tubes with respect to the center of rotation and the bucket's pivotal axis to ensure a horizontal position during centrifugation. Failure to do so may cause uneven separations or tube failure.
- The RCF values were measured at room temperature with water-filled plates in a swing-out rotor for 5 minutes. Suitable adapters must fully support. An insufficient support will reduce the RCF values, as does the use of liquids besides water. Consult the centrifuge specification of the manufacturer.
- Before regular use of the product, perform a test run with the chosen settings to verify its suitability.

Additional:

Instructions for use (IFU), chemical resistance lists, and quality certificates for each product are available for download from www.tpp.ch.



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