Technical Data Sheet

CellScrew® mini TriDock

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1. Product description

The CellScrew® mini TriDock is a reusable device designed for use with the CellScrew® mini, enabling the simultaneous operation of three CellScrew® minis. It is manufactured in an additive manufacturing process and is made of plant-based polylactic acid (PLA). The CellScrew® mini TriDock has the same outer diameter as the CellScrew® 6K and 10K, making it compatible with standard roller devices. Key data is provided below.

2. Technical overview

Dimensions

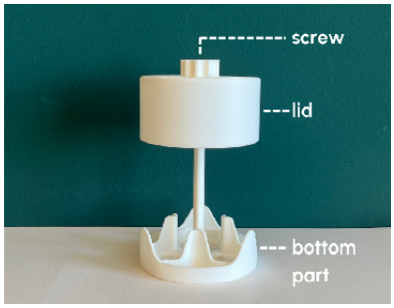
Dimension	Unit	Value
Diameter	[mm]	121
Total height	[mm]	192
Bottom part height	[mm]	169
Lid height	[mm]	60
Screw height	[mm]	32

Properties

Description: Green Elephant Biotech GmbH CellScrew® mini TriDock GEB-CS-mini-TriDock
Packaging dimensions: 130 mm x 130 mm x 300 mm
Weight: 190 g
Material: Polylactic acid
Color: White
Temperature range: - 80 °C to 45 °C
Storage: Room temperature, sunlight protected
Centrifugability: No
Autoclavability: No
Recommended rotational speed: 0.2 – 2 rpm
Packing unit: 1 CellScrew® mini TriDock, 1 piece per box
Quality management system: Manufactured, inspected and in compliance with product and quality specification requirements as documented in DIN EN ISO 9001:2015 quality management system.

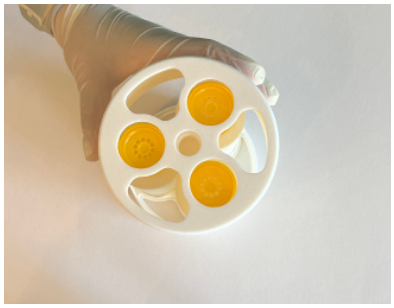
3. Instructions for use

The CellScrew® mini TriDock consists of three components: a bottom part, a lid, and a screw. The screw secures the lid to the central bar of the bottom part.



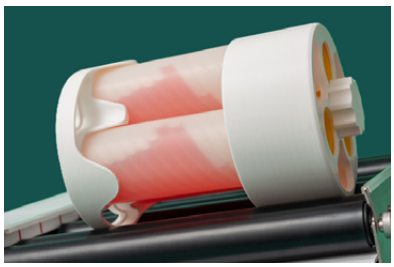
Three CellScrew® minis fit into the CellScrew® mini TriDock. Place them in the designated cut-outs of the bottom part.

Align the round recesses in the lid with the caps and filters of the CellScrew® minis.



Close the lid by tightening the screw.

The CellScrew® mini TriDock is operated similarly to a CellScrew® 6K or 10K, by placing it on an angled (10 ° - 15 °) roller device. The CellScrew® mini TriDock must rotate clockwise when observed from above, with a rotational speed ranging from 0.2 to 2 rpm.



Remove the CellScrew® mini from the CellScrew® mini TriDock for cell inoculation and harvesting steps, when working inside an aspetic working bench.

Inoculate the CellScrew® mini with the desired cell concentration and start incubation using the CellScrew® mini TriDock. Put it on an angled (10 ° - 15 °) roller device and rotate it clockwise at 0.2 - 2 rpm.

After cell expansion remove the culture medium and add your washing solution. Wash the cells by holding the CellScrew® mini at an angle and rotating it clockwise by hand. Remove the washing solution and add trypsin or another detachment agent to the CellScrew® mini. Distribute the detachment agent by holding the CellScrew® mini at an angle and rotating it clockwise by hand. Incubate for the desired detachment time at the desired temperature using the CellScrew® mini TriDock. Put it on an angled (10 ° - 15 °) roller device and rotate it clockwise at 0.2 - 2 rpm during detachment.

Stop the detachment reaction with FBS containing medium or a different suitable stopping reagent. Hold the CellScrew® mini at an angle and tap it firmly, while rotating it clockwise by hand to detach the cells. Bring the CellScrew® mini to an upright position and transfer the cell suspension into a harvest vessel for further use.

Detailed instructions are available in the Technical data sheet for the CellScrew® mini.

4. Technical support

For technical support, questions or remarks please contact the technical department of Green Elephant Biotech GmbH via e-mail (tech-service@greenebt.com).