

PhysioMimix®

Equipment Guide



Our PhysioMimix® Core System is designed to enhance your workflow, not complicate it!

The PhysioMimix® Core benchtop system is designed for seamless integration into a standard laboratory setup. This equipment guide describes all you need to get started.

Our user-friendly approach streamlines the Organ-on-a-chip (OOC) culture process. With expert guidance from our dedicated team every step of the way, we guarantee rapid adoption so that you benefit from high-quality, physiologically relevant data faster.

Supplied by CN Bio

EQUIPMENT

PhysioMimix Core System

PhysioMimix Single- or Multi-organ MPS driver

PhysioMimix Multi-chip consumable plate

Retaining ring removal tool

Forceps

Not supplied by CN Bio

EQUIPMENT

Biosafety cabinet (Class II)

Incubator (37°C + 5% CO₂) with a side port

Laboratory refrigerator (4°C)

Laboratory freezer (-20°C)

Micropipettes (10.0 mL, 1000 µL, 100 µL, 10 µL, 1 µL)

Microchannel pipette, 6 channels

Serological pipettes

Temperature-controlled centrifuge
(Eppendorf® tubes and Falcon tubes, 15 & 50 mL)

Temperature-controlled water bath

Brightfield/ light microscope

Cryovials

Haemocytometer

Timer

Vortex mixer

CONSUMABLES

T25 flasks

T75 flasks / collagen-coated T75 flasks

Sterile bottles (500 mL)

Falcon tubes (50 ml , 15 mL)

96-well plates

24-well plates

Eppendorf tubes

Filtered, sterile pipette tips
(Including 200 µL wide orifice/bore tips)

Transwell®, with 0.4 µm Pore Polyester Membrane c
(Corning – 3470)

Liquid nitrogen (and handling equipment)

Dry ice (and handling equipment)

Biohazard disposal bags / bins / provider