



Incubation

TECHNICAL BULLETIN

COMPACT INCUBATORS: MCO-5M and MCO-5AC

SANYO Incubator Overview:
SANYO's incubator family includes two types- compact CO₂ incubators and multi-gas incubators. Compact incubators offer distinctive advantages for advanced applications in specialized medical fields such as IVF or reproductive medicine where security and safety are required for cell growth and viability. These incubators provide an excellent solution for customers that are required to follow regulatory standards for the isolated cultivation of human donor cells. (i.e. one donor; one chamber for cell growth).

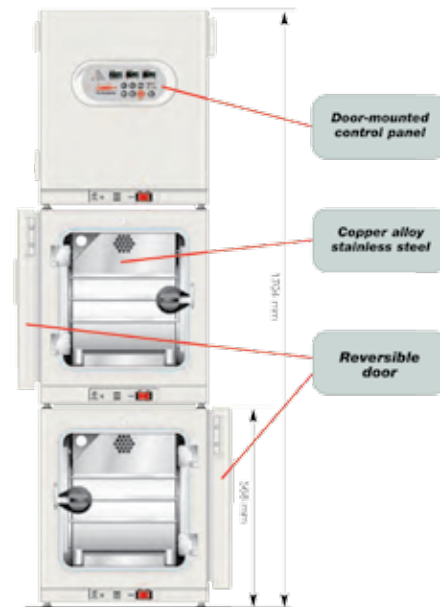
Small Incubator Requirements:

1. Compact size: Incubators are required to fit in tight installation spaces so a small lab can place it near the operator.
2. Easy to use: They must be convenient and lightweight enough to position within a confined lab bench area.
3. Small, but mighty: Great performance. SANYO incubators are made with our proprietary, highly-acclaimed contamination prevention technology.

Perfect To Use For: "One donor, One chamber" Reproductive Medicine Protocols

Specialized medicine require custom-made therapies or treatment that are uniquely different for each patient. One example is autogenous transplantation, which applies to broad clinical fields such as cancer therapy, which may become the standard of medicine in the future. While targeted therapeutics are a huge advance in the standard of care, one fatal risk for both the patient and the medical professional is a donor sample mix-up, which can be caused easily by human error. As part of industry's effort to eliminate this potentially damaging mix-up, there is a movement for "one donor, one chamber," requiring a secure, sole-use chamber for each and every patient in the process of cell development. Providing a chamber for each patient is an effective measure to decrease cross-contamination and increase identification amongst patient samples. SANYO personal cell culture incubators are optimal for the unique requirements of this specialized medicine.

Triple-Stack Configuration



Model	MCO-5AC	MCO-5M
External dimension (WxDxH)	480x548x575mm (18.9"x21.6"x22.6")	
Interior dimension (WxDxH)	350x378x375mm (13.8"x14.9"x14.8")	
Effective capacity	49L (1.7cu.ft)	
Net weight	50kg (110lbs)	
Features	inCu safe, Air jacket, safe cell UV (Option)	
CO ₂ level	0 to 20 %	
O ₂ level	None	1 to 18% & 22 to 80%



MCO-5AC