

INCUDRIVE 90

Roller bottle incubator for rolling up to 90 bottles

- selfcontained incubator/roller for 90 bottles
- energy savings
- mobile, built on castors
- limits cross-contamination
- warm-up period max. 2 hours
- CO₂-version (optional)

Roller bottle incubator for 90 bottles for the production of e.g. vaccines using adherent cell cultures.

Consisting of an incubator and a drive mechanism for rolling up to 90 cell culture bottles with a diameter of between 100 and 120 mm and 270 mm length, on 9 levels, of 5 bottles side by side in two rows. The rotational speed of a bottle with diameter 120 mm is continuously adjustable from 0.1 to 2 rpm. Heating of only the exactly needed space for the cultivation of the seed cultures and the production cultures results in considerable energy savings compared to large warm rooms. Temperature range is +5°C above room temperature to +50°C, continuously adjustable. With protection against over-heating.

INCUDRIVE 90 comes with castors and is therefore mobile. Production capacity can be adapted by purchasing additional INCUDRIVE 90 devices as needed. Methods, which are generated inside one INCUDRIVE 90 can be scaled up to the number of devices, which are required for the production. Improved safety during production – the risk of problems during cultivation is limited to just the one incubator in question.

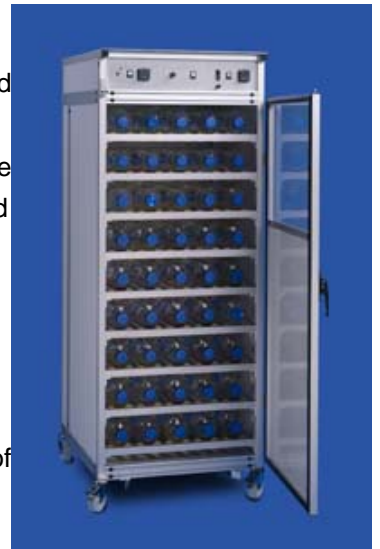
There is an interface available for temperature monitoring (quality control).

Optionally available for CO₂-operation 0-10 %. Consumption approx. 2 kg per day.

The Bottle-Lifter (optional) allows for all 90 bottles to be loaded or removed simultaneously within seconds. The Lifter is mobile and sterilizable. It also serves to remove bottles from the incubator and to transport them to a separate room for harvesting, thereby minimizing the risk of crosscontamination.



INCUDRIVE 90 CO₂-incubator



INCUDRIVE 90 CO₂-incubator, open

Technical Data

Drive unit fitted with ball bearings

Roller speed:	0.1 - 2 rpm
Temperature stability:	< +/- 1°C
Working temperature internal:	+5 °C max. + 50°C above room temperature
Dimensions outer (w x h x d):	800 x 1,950 x 950 mm
Tube/Vessel diameter:	55-130 mm
Power:	230 V, 50-60 Hz, 1,300 W or 115 V, 50-60 Hz, 1,300 W
Weight:	approx. 260 kg



INCUDRIVE 90 CO₂-incubator, frontpanel



Ordering Information

Type	Cat.-No.
INCUDRIVE 90 Roller Bottle Incubator, 230 V for 90 roller bottles of Ø 120 mm, 270 mm length, temperature control by air circulation, for production of monolayer cell cultures	3.068 001
Bottle-Lifter for loading or removing all bottles simultaneously	3.068 011
INCUDRIVE 90 CO ₂ -Roller Bottle Incubator, 230 V for 90 roller bottles of Ø 120 mm, 270 mm length, temperature control by air circulation, for production of monolayer cell cultures using with CO ₂ (0-10 %)	3.069 001



INCUDRIVE 90 Bottle-Lifter