Key Factors Optimal Cell Growth



Temperature

Air Jacket APT.line ™ **vs.**Water Jacket System

pH-/ CO, Stability

Infrared Sensor **vs.** T/C Sensor

Sterile Conditions

180 °C Sterilization vs.

Disinfection / Decontamination

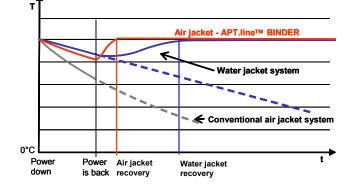
Humidity

Humidity without Condensation **vs.**Ordinary Water Pan

Temperature Dynamics - Power Outage

Air Jacket vs. Water Jacket

Cell growth is less inhibited in a BINDER CO₂ Incubator even during an electrical power outage!



High Temperature Dynamic

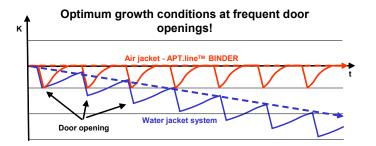
Through the patented APT.line™ system from BINDER

Temperature Dynamic – Door Opening

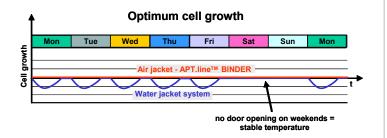
Air Jacket vs. Water Jacket

The BINDER CO₂ Incubator performs well under real lite conditions all week long.

Frequent door opening will risk the life of your cells.



[&]quot;Cells in Water Jacketed Incubator grow better only on weekends!"

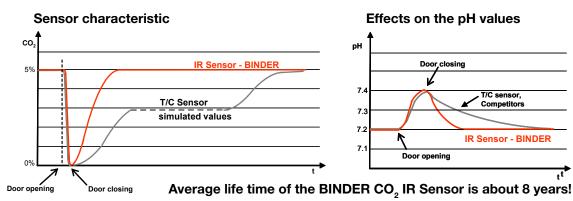


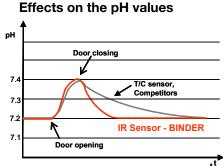
pH - Dynamics

BINDER Best conditions for your success

IR Sensor vs. T/C Sensor

- IR Sensor: Real time measuring and controlling sensor, works even without humidity
- T/C Sensor: Starts measuring > 30 min after door opening, needs max. humidity



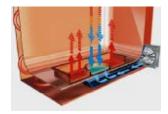


Humidity Where You Need It

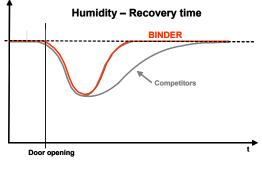
Humidification in the BINDER Incubator Directly visible results!

Patended Permadry® System



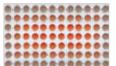


Condensation free at maximum humidity level Avoid germ contamination





fast recovery time well developed samples



slow recovery time dried up samples

Sterilization vs. Decontamination Or Disinfection

BINDER:



Conform to standard over night hot air sterilization

BINDER 180 °C Sterilization guarantees sterile conditions on the push of a button.

"Easy to clean like a bathtub!" Seamless interior chamber

Competitor:



- How to clean?
- How to sterilize?