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Even more space for your cultures

给您的培养物更多空间

BINDER CO₂-incubators now have a new inner chamber with 25% extra usable space

宾德二氧化碳培养箱拥有全新内腔,空间利用率增加了 25%

Tuttlingen, February 7, 2008. BINDER GmbH invests more than 10% of its annual sales revenue in research and development. This investment pays off, as evidenced by the company's new products, product innovations, and developments for 2008.

2008年2月7日,德国宾德将它年销售收入的10%用于研发。这项投资是有回报的,2008年的新产品创新和发展就恰好证明了这点。

Series CB equipment is mainly used for sensitive incubation applications in scientific laboratories. BINDER now offers even more precision with its latest inner chamber design. This new inner chamber comes with integrated, smooth-edged shelf supports, which are formed as part of the inner chamber wall in the deep-draw process during manufacture. This means that the inner chamber now has 25% extra usable space. Since there are no interior fittings, substantially less cleaning is required. All CB series CO₂-incubators incorporate hot air sterilization at 180 °C (356 °F) to ensure maximum sterile conditions, while the proven Permadyr[®]-System keeps inner walls free of moisture.

CB系列产品主要应用于生命科学实验室中的敏感性培养。

- 宾德提供了更为精确的深拉工艺内腔设计:完全无缝、内部光滑圆角,这意味着内腔拥有了25%的额外空间。
- 由于内腔无任何零配件,大大减少了清洁内腔需要的时间,也减轻了工作量。
- 所有的CB系列二氧化碳培养箱均采用180 °C (356°F)的干热灭菌法来确保腔内无细菌污染。
- BINDER独有的Permadyr[®]系统使内腔壁保持干燥,更加优化培养环境。



Safety through Intelligent Fail-Safe

智能防故障装置让设备更加安全

Optimal cell growth requires a stable and balanced pH. An initial pH from pH 7.2 to 7.4 provides virtually ideal conditions. Cell cultures are extremely sensitive to equilibrium fluctuations. A constantly controlled CO₂ feed will maintain the necessary pH stability within the incubator. During cell cultivation, the actual gas feed is permanently and automatically monitored and compared to the recorded value data. In the event of deviations, the Intelligent Fail-Safe system controls the CO₂ feed, providing immediate pH stabilization. This eliminates any adverse effects on cell growth that may otherwise occur when pH values are outside of tolerance limits. BINDER offers this patented Intelligent Fail-Safe System for monitoring the CO₂ concentration in its CB series CO₂-incubators.

细胞培养对于 pH 值的变化是非常敏感的，细胞要达到最佳生长状态，需要平衡稳定的 pH 值。培养初期 pH 值控制在 7.2~7.4 能为细胞提供非常理想的环境，而箱体中二氧化碳的浓度对维持稳定的 pH 值至关重要。

在细胞培育过程中，培养箱能够监控实际的气体浓度，并于设定值进行比较，当两者出现偏差时，安全控制装置会控制二氧化碳进气量，确保箱体 pH 的稳定，消除了可能对细胞生长产生的负面影响，否则可能使箱体内 pH 过高。

宾德为 CB 系列二氧化碳培养箱提供这种专利的智能安全装置，实时保护箱体中的样品。

Other available options are a controlled oxygen feed for variable O₂ values during hyper or hypoxic cultivation conditions, and a gas-tight, partitioned inner glass door.

同时，宾德也能为需要低氧或者高氧培养的用户提供各种选配件，如：分隔玻璃内门。

Additional information about BINDER CO₂-incubators can be found at: www.hot-air-sterilization.com.

更多宾德二氧化碳培养箱信息请点击以下链接

www.hot-air-sterilization.com



About BINDER:

BINDER is the world's largest specialty manufacturer of simulation chambers for scientific and industrial applications. Its range of products and services includes routine applications as well as highly specific studies in research and development, production and quality assurance. With 300 employees worldwide, BINDER GmbH had annual sales of approximately €43 million in 2007.

关于宾德

宾德是全球首屈一指的温控箱专业制造商，其产品广泛用于生命科学行业和工业行业，为科研工作者和工业生产提供高水准的产品。

