

THE ERGONOMIC BIOREACTOR | HABITAT RESEARCH

Looking for new standards in mixing,
temperature control, automation, safety
and design?



Here comes the perfect HABITAT

HABITAT research is the new smart laboratory bioreactor from IKA.

As the first bioreactor with a lid stand, it ensures ergonomic working and a tidy laboratory. In combination with a circulator, it is also your fermenter. And if you connect light panels, your new photobioreactor.

Unique features

HABITAT research creates optimal conditions for cell cultivation and microbial fermentation. Choose between single-walled and double-walled vessels and volumes from 0.5 to 10 liters.

BIOREACTOR, FERMENTER OR PHOTOBIOREACTOR

Depending on the type of cells to be cultivated, you can use HABITAT as a bioreactor, fermenter or photobioreactor. It can be combined with their thermostats or with light panels. This guarantees a reliable and strong service from a single source.

LID STAND

The lid stand makes test preparation easier as the lid does not have to be removed and put down. Motor and sensors are hooked onto the side of the stand. This means that the connections on the lid are easy to reach and the sensors are well protected. Handling during autoclaving is also much more convenient: Everything together fits perfectly in the autoclave.

CHAOTIC MIXING

In addition to the familiar agitator control modes, there is a new mixing mode: In Chaotic Mode, mixing follows the mathematical principle of chaotic-dynamic systems. This ensures a more homogeneous mixture. You can also choose between 3 different stirrer geometries: 6-blade disc, 3-blades segment and paddle stirrer. Up to 3 stirrers can be mounted on the stirrer shaft.



Contact us for more details