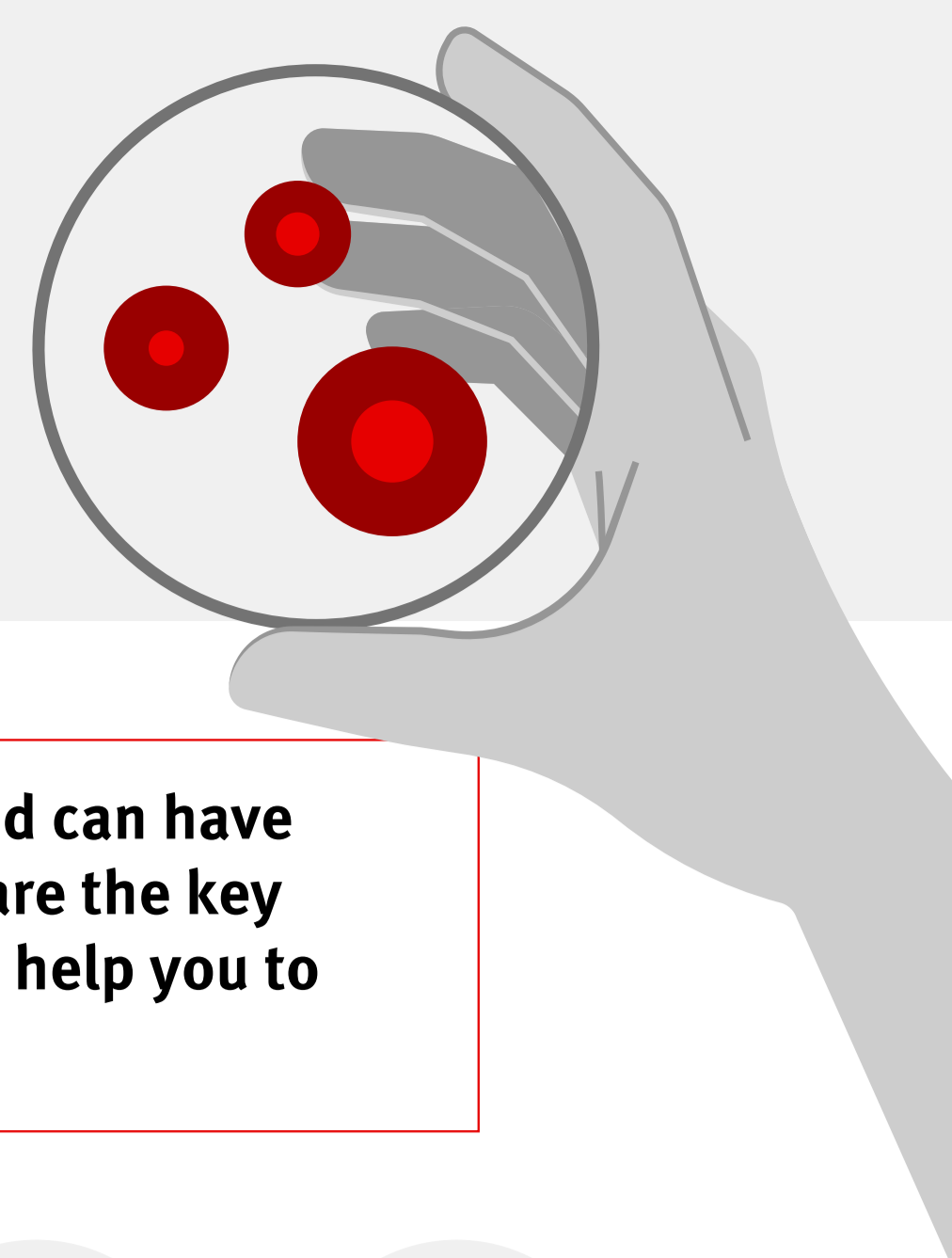


Improve your contamination management



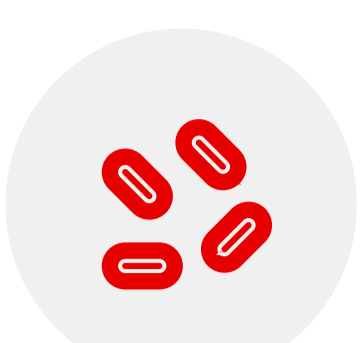
Contamination of cell cultures poses a major risk in laboratory work and can have serious consequences. Training, preventive behavior, and monitoring are the key to successful contamination management. BINDER CO₂ incubators will help you to improve your contamination management processes.



Bacteria



Molds



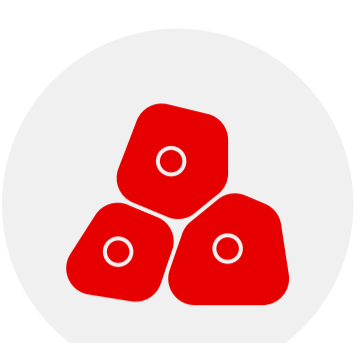
Yeasts



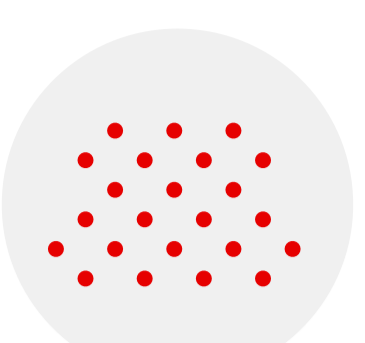
Viruses



Mycoplasma

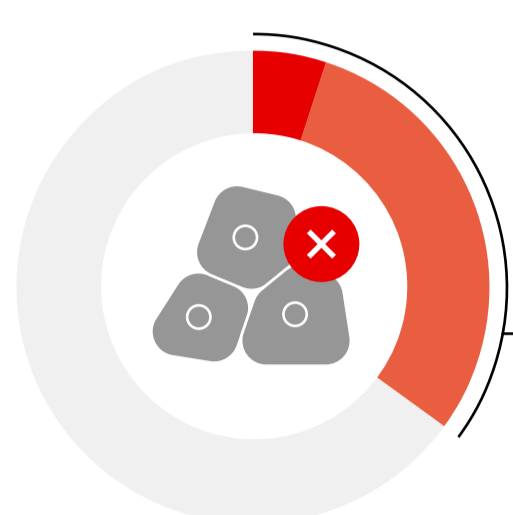


Cells



VOCs

CONTAMINATION IS A COMMON PROBLEM WORLDWIDE



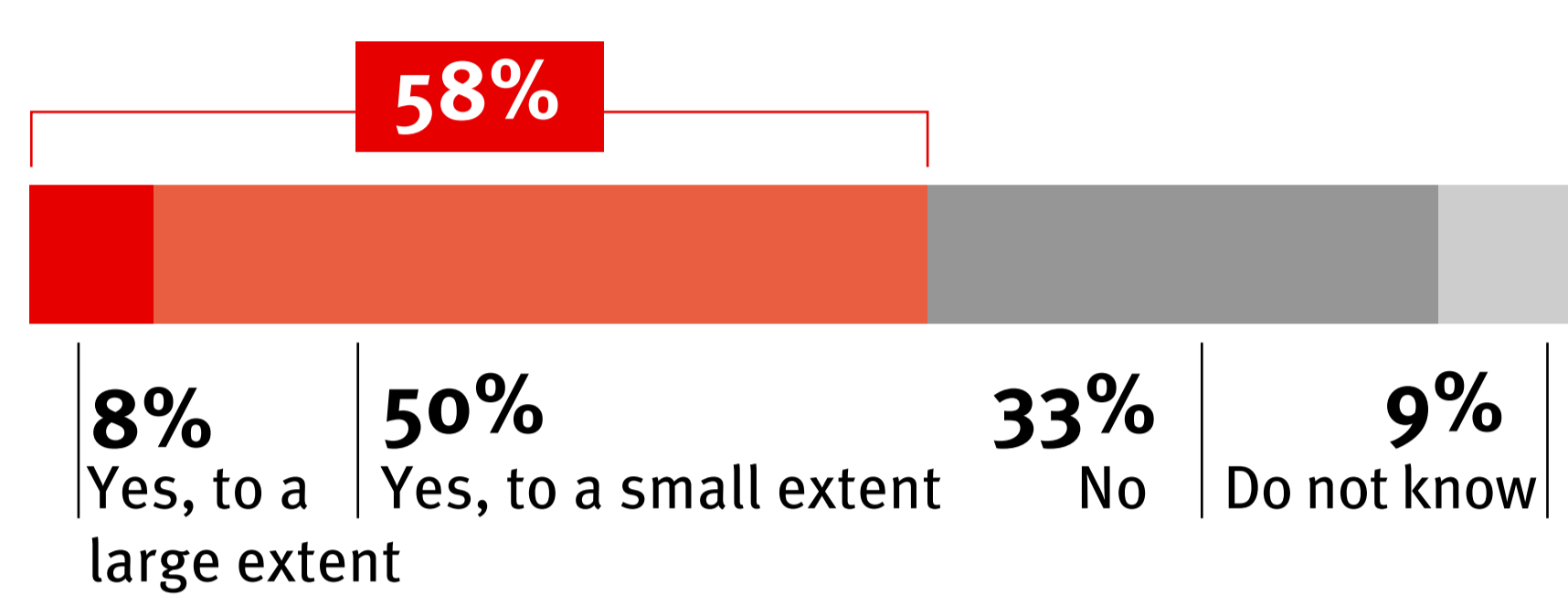
Contamination rate of all cell lines worldwide
5-35%



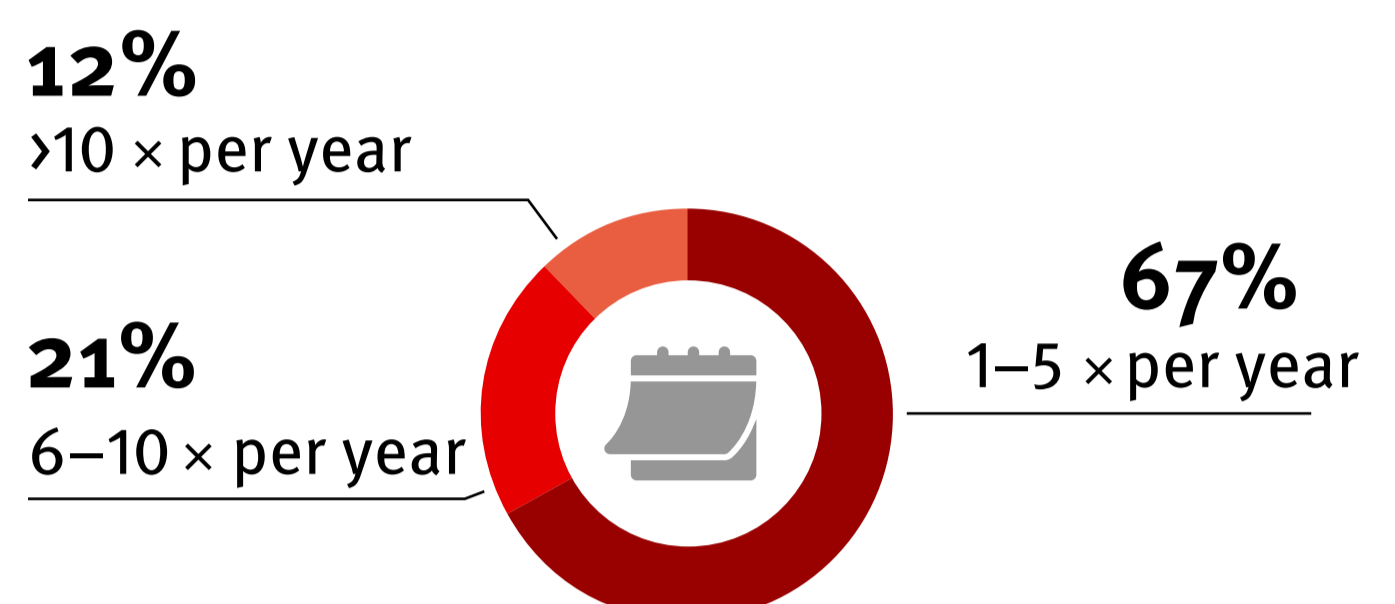
FINANCIAL LOSS

In the United States alone, contamination costs cell culture users millions of dollars annually.

Do you currently regard microbial contamination of your cell cultures as a problem?*



How often does this problem occur?*



* Summary of three studies (n=130) conducted as part of Corning seminars in Baltimore, Boston, and St. Louis, 1990

CONTAMINATION CAN COME FROM MANY SOURCES

- Contact with contaminated materials or media
- Air impurities throughout the cell cultivation process
- Contaminants getting into culture flasks
- Mix-ups, incorrect labeling, non-certified material, behavior that promotes contamination
- Unsuitable laboratory environments, locations, and designs of CO₂ incubators

CONTAMINATION CAN HAVE MANY CONSEQUENCES

- Economic damage: loss of time, money, and work
- Damage to image
- Detrimental effect on cell cultures
- Loss of valuable materials
- Questionable or non-representative results

POTENTIAL SOLUTION: CO₂ INCUBATORS



CO₂ incubators can help to reduce risks when working with cell cultures in laboratories. With BINDER incubators, every detail is carefully designed to minimize risks and lower costs.

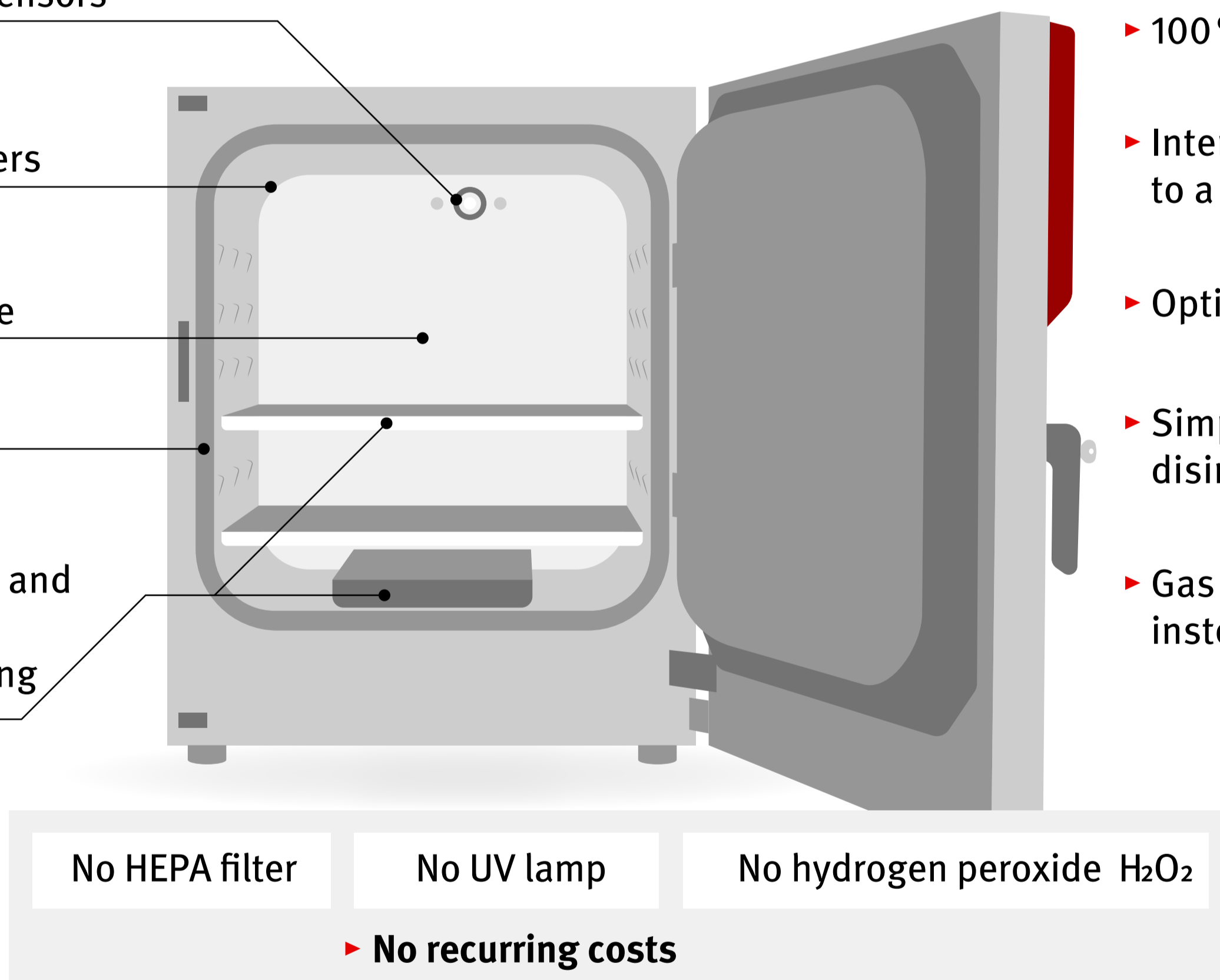
CO₂, O₂, humidity sensors

Seamless interior with rounded corners

180°C / 11 h sterilization routine

Silicone door seal

Only the water pan and shelves need to be removed for cleaning



- ▶ 100 % stainless steel
- ▶ Interior surface reduced to a minimum
- ▶ Optimum monitoring
- ▶ Simple, thorough disinfection by wiping
- ▶ Gas mixing nozzle instead of a fan

No HEPA filter

No UV lamp

No hydrogen peroxide H₂O₂

▶ No recurring costs

THE IDEAL SETUP IN A LABORATORY WITH CO₂ INCUBATORS

Air-tight windows kept closed

Ventilation/filtering of the entire room

Smooth, crack-free wall condition / dry walls

Air-tight door kept closed

