



# The extreme costs of a bioburden incident

## Financial impact

**1 Bn USD**

Commercial revenue loss

**3 M USD**

Raw material

**1 M USD**

Failed lots and scrapped batches

**100 k USD**

Facility and equipment sanitization

**20 k USD**

QA investigations

## Ways to reduce impact



Closed systems



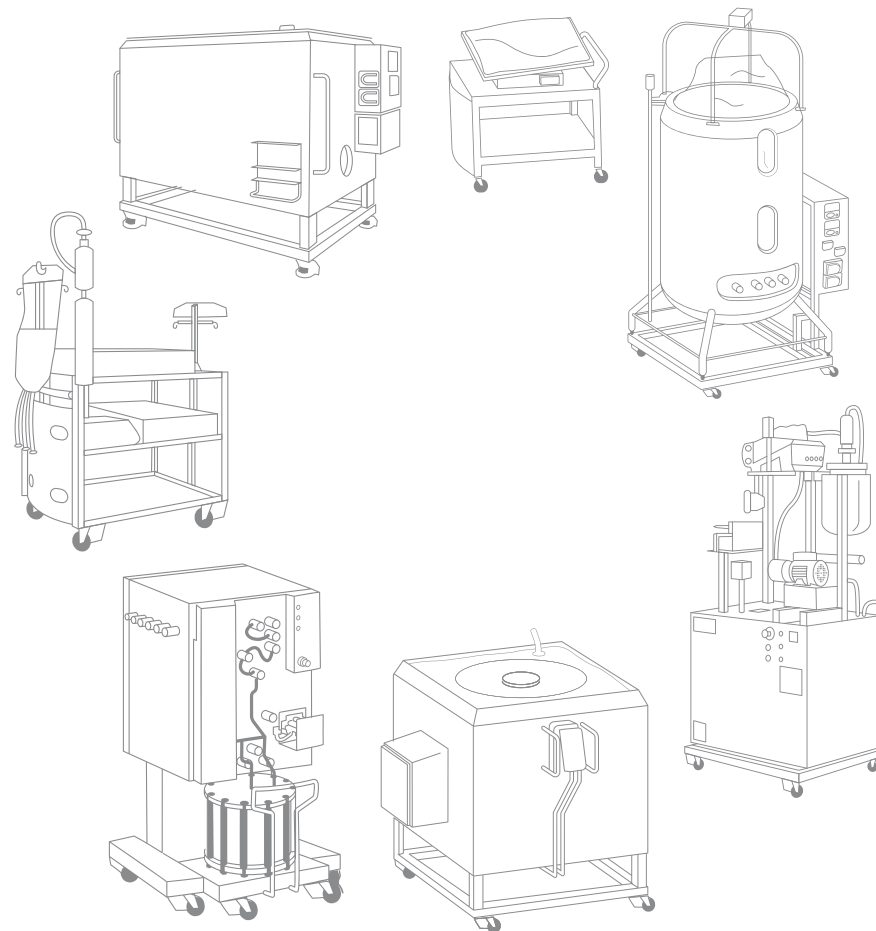
Single-use solutions



Quality assured raw materials



Robust sanitization solutions



The cost of bioburden incidents can vastly outweigh the costs of preventing them

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