

TEKINBIO

CONCENTRATED TECHNOLOGIES
IN YOUR BIOREACTOR

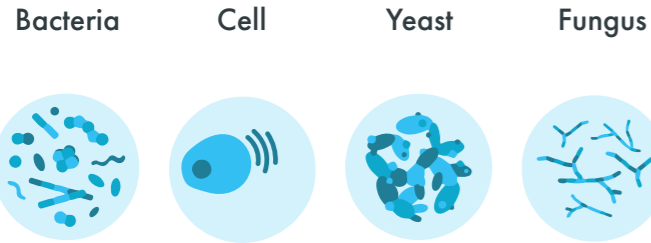


aboccard
alliance for success

Life Solutions

EACH MICRO ORGANISM
HAS ITS SPECIFIC NEEDS

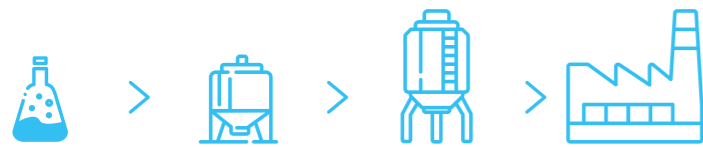
Type of cultures:



Oxygenation rate, shear stress, medium composition, pH and temperature

We created TEKINBIO to provide an optimal environment for your suspended culture

SCALE UP
HOMOGENEOUS RANGE



Lab scale <15 liters Micro Pilot 15-150 liters Pilot 150-1000 liters Industrial 1 m³-100 m³

We maintain the optimal conditions for your culture in the different scales to maximize the growth and performance of your microorganism



**THE +
TEKINBIO**



AUTOMATIC pH REGULATION OF THE CULTURE MEDIUM (0-14 +/- 0.01)



MASTERING THE TEMPERATURE ACCORDING TO YOUR PROCESS



FULLY AUTOMATED SYSTEM ADAPTED INSTRUMENTATION (Feed filling, oxygen regulation, antifoam...)



OPTIMAL AERATION DESIGN TO REACH MAXIMUM EFFICIENCY



CUSTOMIZED AGITATIONS ADAPTED TO YOUR MICRO-ORGANISM



WE OFFER EXPERT PROCESS SERVICES TO SCALE-UP AND INDUSTRIALIZE YOUR SPECIFIC STRAIN

OUR CERTIFICATIONS

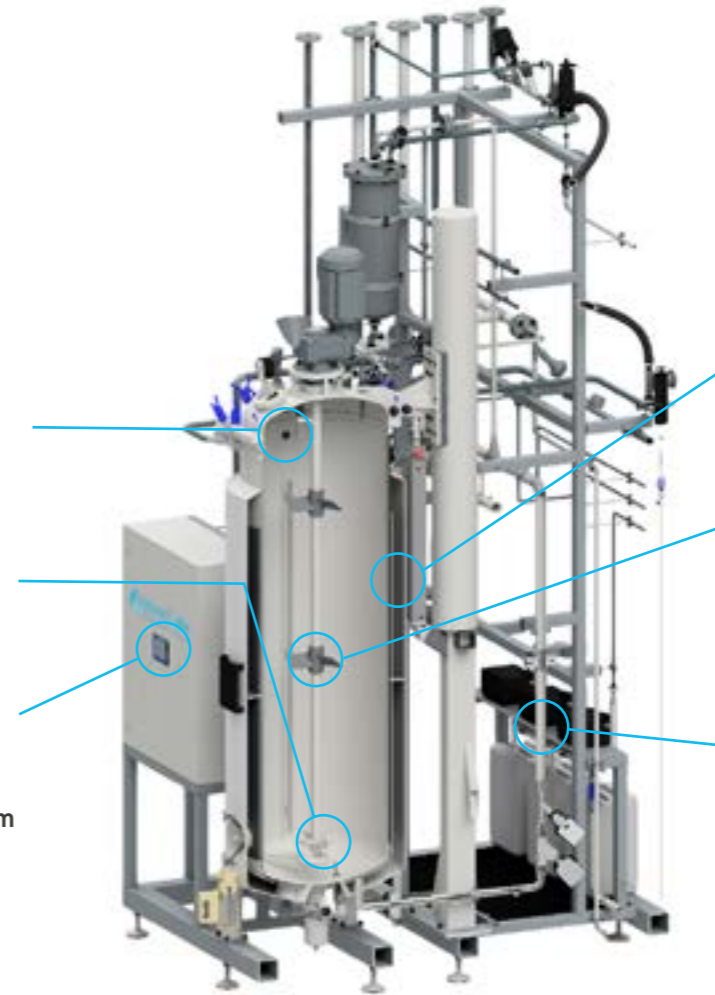


TEKINBIO BIOREACTOR
MAIN CHARACTERISTICS

Cleaning In Place
Sterilization In Place

Customized aeration technology

Process dedicated instrumentation
Automatic control system
Full traceability

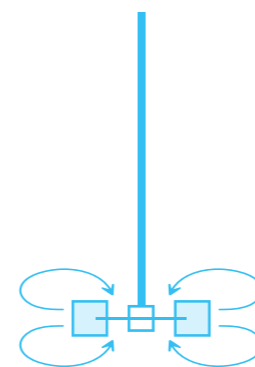


Thermal efficiency with double jacket (optimized heating area and heat transfert)

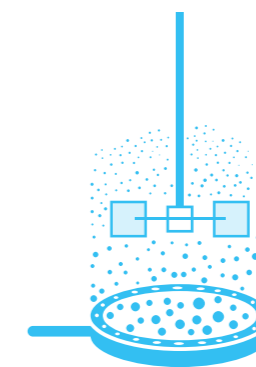
Product homogeneity

Automatic incorporation: medium, inoculation, pH adjustment, anti-foam...

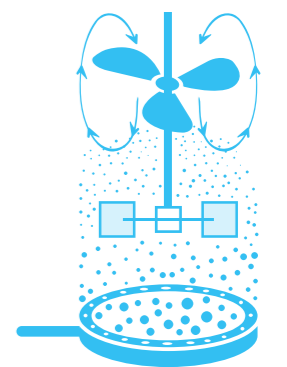
OUR AERATION EXPERTISE



DISPERSE GAZ WITH SPECIFIC SHEAR



INCORPORATE AIR BUBBLES INTO THE CULTURE MEDIUM



HOMOGENIZE THE PRODUCT IN THE TANK

FLEXIBILITY, EFFICIENCY, RELIABILITY :

TEKINBIO

VERSATILE SOLUTION FOR BIOREACTOR

BOCCARD ALSO SUPPORTS ITS CUSTOMERS
WITH COMPLEMENTARY SERVICES :



GUIDANCE



ASSISTANCE



DESIGN STUDIES



PRODUCT STARTUP
SCALE-UP STUDIES



CFD FOR AGITATORS
DEFINITION AND OPTIMIZATION



CONTACT US

Boccard Life Solutions

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We design, manufacture, assemble and install turnkey processing solutions for our customers worldwide who transform raw materials into products for people's direct consumption.

That is why our centers of excellence (Food & Ingredients, Cosmetics & Hygiene, Pharma & Biotech and Brewery) are committed to achieving the highest levels of quality and safety in over 100 countries, while ensuring optimal productivity to serve demanding markets.

Our experts in Process Intelligence and Project Management work on a partnership basis with companies of all sizes, including major global players, to build new facilities or upgrade existing systems to meet and surpass key performance indicators: product excellence and consistency, efficient time-to-market, responsiveness and flexibility.

In everything we do, our goal is to provide you with the best process experience, now and in the future.