

# Carroucell microcarriers

Flat-shaped microcarriers with customizable features

## Applications

- R&D, pilot, industrial production
- cGMP processes
- Small and large scales cell amplification
- Adherent cell culture processes

## Advantages

### A new generation of microcarriers

- **A tailor-made solution**

The Sol-gel process, a bioactive glass produced at room temperature, adapts and integrates components to create the ideal microcarrier for your cells.

- **A flat shape**

Flat in shape, the microcarrier allows fibroblastic development of cells, reduction of aggregates and makes the separation step easier.

- **A solution for all volumes**

Compatible with all shake culture systems, the Carroucell solution adapts to all environments, from Spinner flask to very large containers and GMP conditions.



**Patented flat-shaped and uniquely-composed microcarriers providing unique flexibility for cell culture processes.**



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## PRODUCT SPECIFICATIONS

### Composition

- Functionalized bioactive glass
- Sol-Gel process of green chemistry respectful of the environment and carried out at room temperature
- High adhesion surface

### Mechanical resistance

Unbreakable and lightweight, adapts to all stirring speeds

### Diameter

From 80 to 300 microns

### Thickness

5 to 10 microns

### Microcarrier customization

- Structural characteristics: Size / Shape / Rigidity
- Functional characteristics: Chemical functions / Biological molecules / Specific application (antioxidant molecule, fluorophore)

### Standards

GMP compliant

### Livraison rapide

- Routine delivery within 10 days
- Delivery 25 days for a first shipment



### CUSTOMIZATION OF CARROUCELL MICROCARRIERS IS A UNIQUE FEATURE.

Users have the possibility to define both structural characteristics (size, shape, rigidity) and functional characteristics (chemical functions, biological molecules or others).

