



CELL CULTURE

CELL CULTURE BY MACO PHARMA

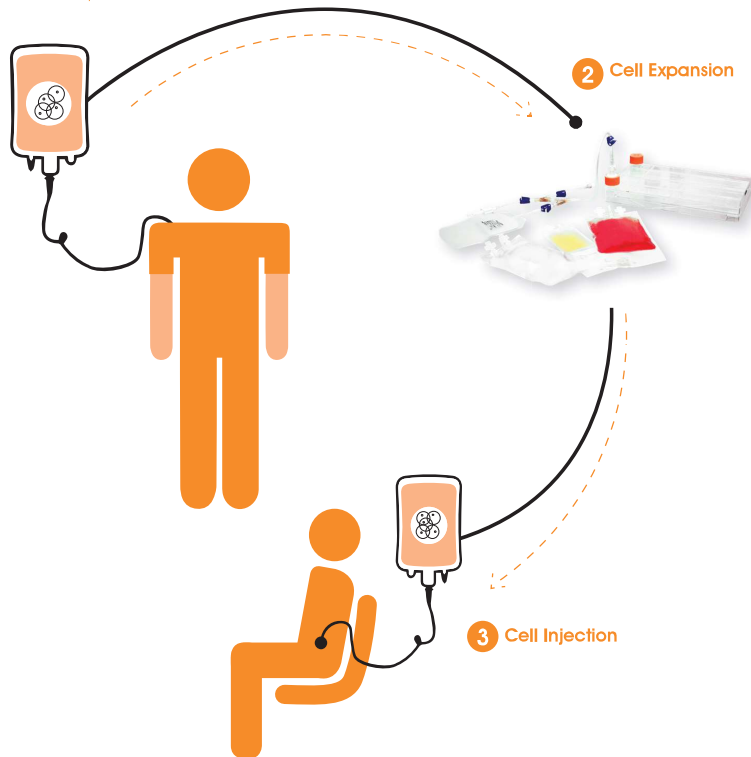
Maco Pharma's cell culture range provides a solution for every step of your process, from cell seeding to harvesting.

Working in collaboration with cell therapy centres, research teams and hospitals, Maco Pharma's Biotherapy division developed a whole range of disposables and media for stem cell collection, processing and expansion.

To cope with this challenge we developed a secure cell culture concept with human platelet lysate and xeno-free culture media dedicated to specific stem cell populations.

These strong partnerships enable Maco Pharma Biotherapy to design value solutions to accompany researchers and health professionals from cell collection to cell injection into a patient.

1 Cell Collection / Isolation



MULTIPL' HUMAN PLATELET LYSATE

Benefiting from 40 years of expertise on transfusion medicine with a strong knowledge on platelets and on pathogen inactivation, Maco Pharma Biotherapy developed a range of human platelet lysates : MultiPL', to expand multiple cell types. The full MultiPL' range is produced from qualified donors and platelets intended for human transfusion.

MultiPL' is divided in two sub-ranges:

- MultiPL'30 and MultiPL'100
- Virally inactivated MultiPL'30i and MultiPL'100i

HUMAN PLATELET LYSATE

MultiPL'30*

Reference	Volume (mL)	Source	Sterilisation	Packaging	Storage conditions	Shelf life
BC0190020	50	Buffy coat platelet concentrates	Sterile filtration 0.2 µm	Single peelable overwrap	Between -80°C and -20°C protected from light	30 months

MultiPL'100*

Reference	Volume (mL)	Source	Sterilisation	Packaging	Storage conditions	Shelf life
BC0190030	50	Aphaeresis platelet concentrates	Sterile filtration 0.2 µm	Single peelable overwrap	Between -80°C and -20°C protected from light	24 months

* Batch reservation available



BC0190020 - BC0190030
BC0190021 - BC0190032

MULTIPL' HUMAN PLATELET LYSATE

VIRALLY INACTIVATED HUMAN PLATELET LYSATE

To ensure viral safety of the raw material for cell therapy products, Maco Pharma developed virally inactivated human platelet lysate: MultiPL'30i and MultiPL'100i.

MultiPL'30i*

Reference	Volume (mL)	Source	Grade	Sterilisation	Viral Inactivation	Packaging	Storage conditions	Shelf life
BC0190021	50	Buffy coat platelet concentrates	For clinical ex vivo use	Sterile filtration 0.2 µm	Gamma Irradiation	Single peelable overwrap	Between -80°C and -20°C protected from light	24 months

MultiPL'100i*

Reference	Volume (mL)	Source	Grade	Sterilisation	Viral Inactivation	Packaging	Storage conditions	Shelf life
BC0190032	50	Aphaeresis platelet concentrates	For clinical ex vivo use	Sterile filtration 0.2 µm	Gamma Irradiation	Single peelable overwrap	Between -80°C and -20°C protected from light	12 months

* Batch reservation available

ADDITIONAL PRODUCT

CE₀₁₂₃

Sampling coupler

Reference	Connections	Packaging	Shelf life
EPE1016AU	1 spike 1 female luer lock 1 injection site	1/ sachet 200/ box	5 years



EPE1016AU

CELL CULTURE SYSTEM

To cover all steps of your cell culture process,

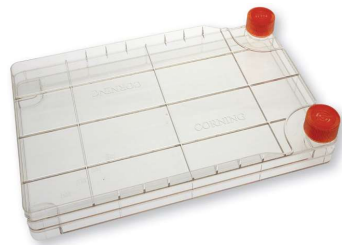
CORNING® CellSTACK®

Cell culture support for adherent cells

Reference	Recommended medium volume (mL)	Number of chambers	Growth area	Sterilisation	Packaging	Shelf life
CellSTACK1	130 - 200	1	636 cm ²	Gamma Irradiation	Double peelable overwrap	3 years
CellSTACK2	260 - 400	2	1272 cm ²			
CellSTACK5	650 - 1000	5	3180 cm ²			

CellSTACK® accessories

Reference	Name	Features	Sterilisation	Packaging	Shelf life
BOUCHON	MPC connector cap	Female MPC coupling with male end cap	Gamma Irradiation	Double peelable overwrap	3 years
VENTCAP	Vented cap	Cap with 0,2 µm pore nonwetttable membrane			



CellSTACK2



BOUCHON



VENTCAP

MEDIA AND BUFFERS IN BAG

Maco Pharma provides media and buffers in bag to accompany your cell culture process,

MEM alpha medium (low glucose)

Reference	Volume (mL)	Compatible with	Connections	Sterilisation	Packaging	Storage conditions	Shelf life
BC0110010	270	CellSTACK® 1 or 2 chambers	2 outlet ports	Aseptic process	Single peelable overwrap	Between +2°C and +8°C protected from light	1 year
BC0110020	675	CellSTACK® 5 chambers					
BC0110021	1000	CellSTACK® 5 chambers	1 female luer lock 1 male luer lock 1 outlet port 1 injection site				

DMEM medium (low glucose)

Reference	Volume (mL)	Compatible with	Connections	Sterilisation	Packaging	Storage conditions	Shelf life
BC0110060	240	CellSTACK® 1 or 2 chambers	2 outlet ports	Aseptic process	Single peelable overwrap	Between +2°C and +8°C protected from light	8 months

Phosphate Buffers Saline Solution (PBS)

Reference	Volume (mL)	Compatible with	Connections	Sterilisation	Packaging	Storage conditions	Shelf life
BC0120020	400	CellSTACK® 1 or 2 chambers	2 outlet ports	Aseptic process	Single peelable overwrap	Between +2°C and +25°C	1 year
BC0120030	1000	CellSTACK® 5 chambers	1 female luer lock 1 male luer lock 1 outlet port 1 injection site				



BC0110021



BC0110060



BC0120030