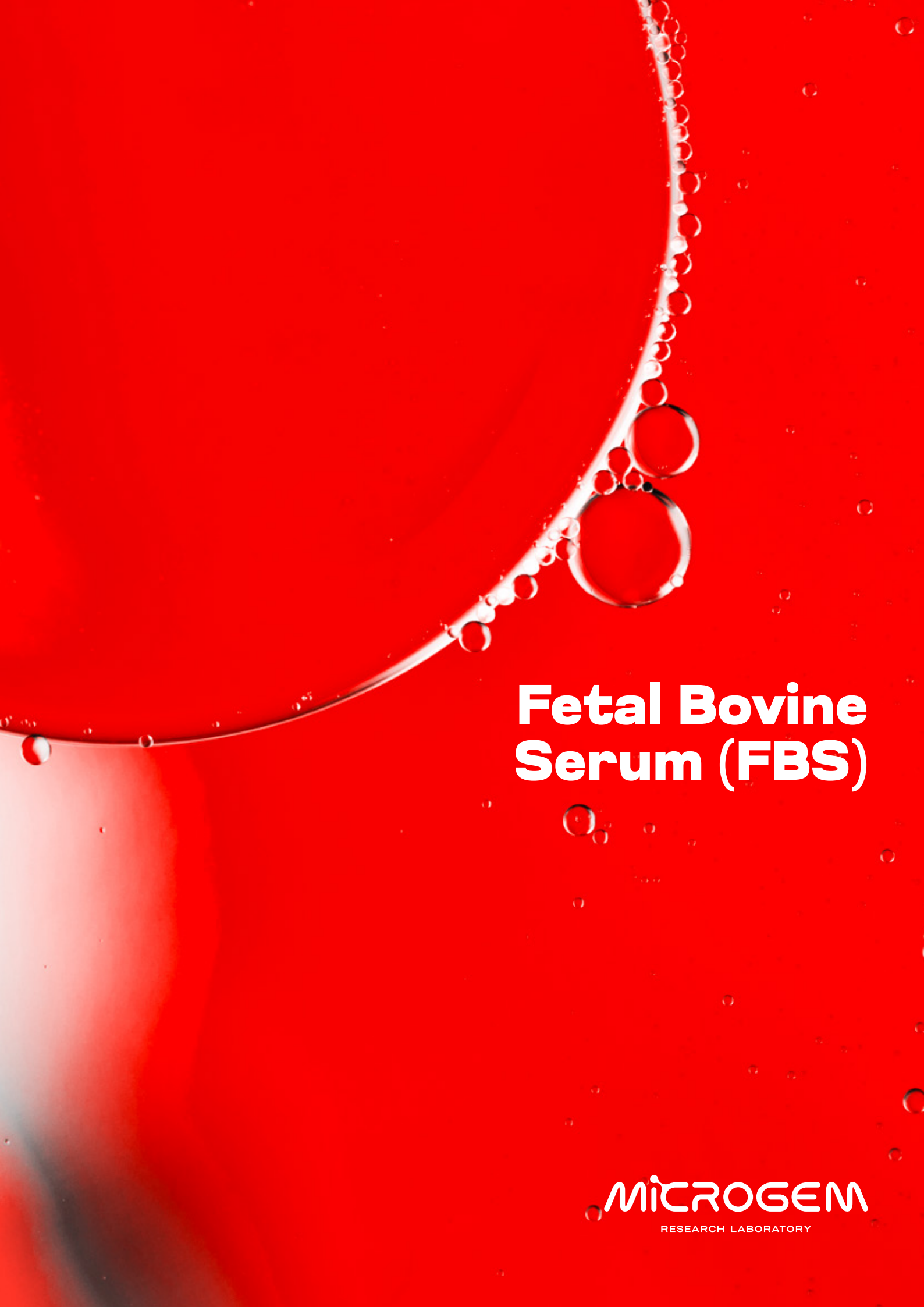




# **Fetal Bovine Serum (FBS)**

**MICROGEN**  
RESEARCH LABORATORY

# Fetal Bovine Serum (FBS) Low Endotoxin South American Origin



## KEY FEATURES:

ENDOTOXINS LEVEL:  $\leq 0.3$  EU/M

HAEMOGLOBIN: 12MG/100ML

Promotion Valid Until 15/07/2025

| SKU           | Description                                                  | List Price | Promo Price |
|---------------|--------------------------------------------------------------|------------|-------------|
| RM10432-500ML | Fetal Bovine Serum (FBS) Low Endotoxin South American Origin | 319,00€    | 259,00€     |

## CELL CULTURE MEDIUM & AUXILIARY REAGENTS PROMO!



### MICROGEM CLASSICAL MEDIA

| SKU             | Description                                                                                                                                              | Volume | PRICE FOR 1 - 9 BOTTLES | PRICE > 10 BOTTLES |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|--------------------|
| PMSTVM-SV-500mL | Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine, 3.7 gms per litre Sodium bicarbonate and Sodium pyruvate | 500mL  | 10,00 €                 | 4,80 €             |
| PMSTVM-SH-500mL | Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, Sodium bicarbonate and Sodium pyruvate w/o L-Glutamine                | 500mL  | 15,00 €                 | 4,80 €             |
| PMSTVS-SV-500mL | RPML-1640 w/ L-Glutamine and Sodium bicarbonate                                                                                                          | 500mL  | 10,00 €                 | 4,80 €             |
| PMST-VSST-500mL | RPML-1640 w/ Sodium bicarbonate w/o L-Glutamine                                                                                                          | 500mL  | 15,00 €                 | 5,10 €             |
| PMSTVE-SH-500mL | Minimum Essential Medium Eagle, With Earle's salts and sodium bicarbonate, without L-glutamine, liquid, sterile-filtered, suitable for cell culture      | 500mL  | 15,00 €                 | 8,70 €             |
| TL1006-500mL    | Dulbecco's Phosphate Buffered Saline 1X w/o Phenol red, Calcium and Magnesium                                                                            | 500mL  | 10,00 €                 | 4,60 €             |
| TL1022-500mL    | Dulbecco's Phosphate Buffered Saline 10X w/o Phenol red, Calcium and Magnesium                                                                           | 500mL  | 40,00 €                 | 6,50 €             |
| PBSAVEM-V-100mL | L-glutamine 200 mM, solution, sterile-filtered, suitable for cell culture                                                                                | 100mL  | 15,00 €                 | 6,60 €             |
| PBSAVSM-V-125mL | Antibiotic Solution 100X Liquid w/ 10,000 U Penicillin and 10mg Streptomycin per ml in 0.9% normal saline                                                | 125mL  | 15,00 €                 | 7,10 €             |
| PBSAVM-MK-100mL | 0.25% Trypsin Solution (with EDTA, phenol red, dissolved in D-Hank's)                                                                                    | 100mL  | 15,00 €                 | 7,10 €             |
| PBSAVM-MR-100mL | 0.25% Trypsin Solution (with EDTA, dissolved in D-Hank's)                                                                                                | 100mL  | 15,00 €                 | 7,10 €             |
| PBSAVSMR-10mL   | 250 µg/mL Amphotericin B Solution                                                                                                                        | 10mL   | 30,00 €                 | 15,20 €            |
| PBSAVE-ME-100mL | MEM Non-Essential Amino Acid Solution (NEAA) (100x)                                                                                                      | 100mL  | 20,00 €                 | 13,90 €            |

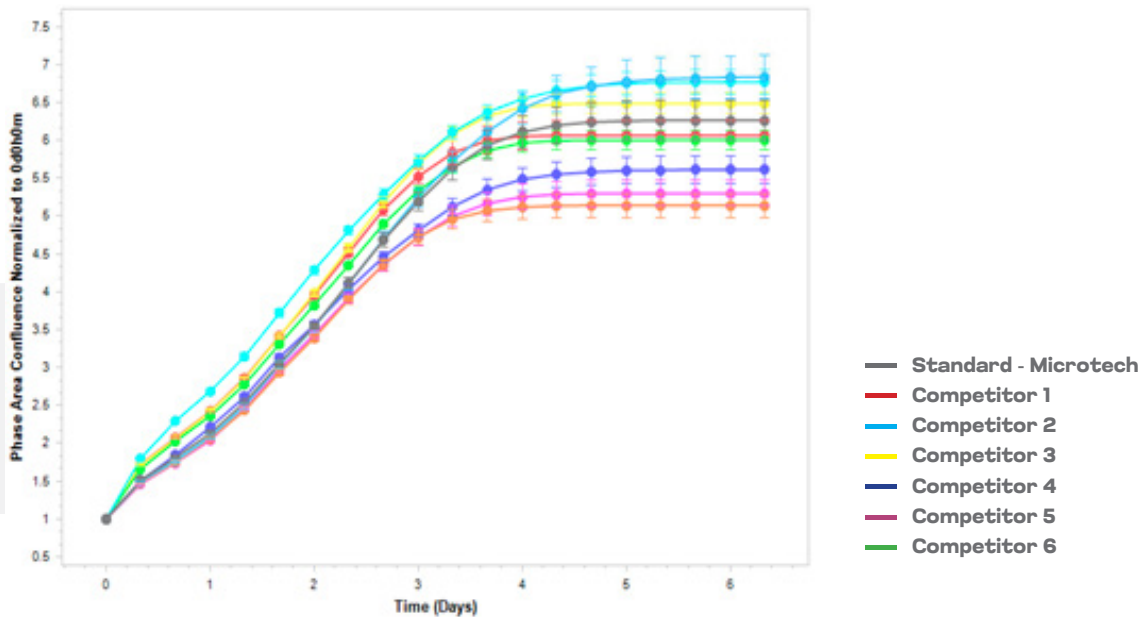
## FBS Microgem achieved optimal results in all tests



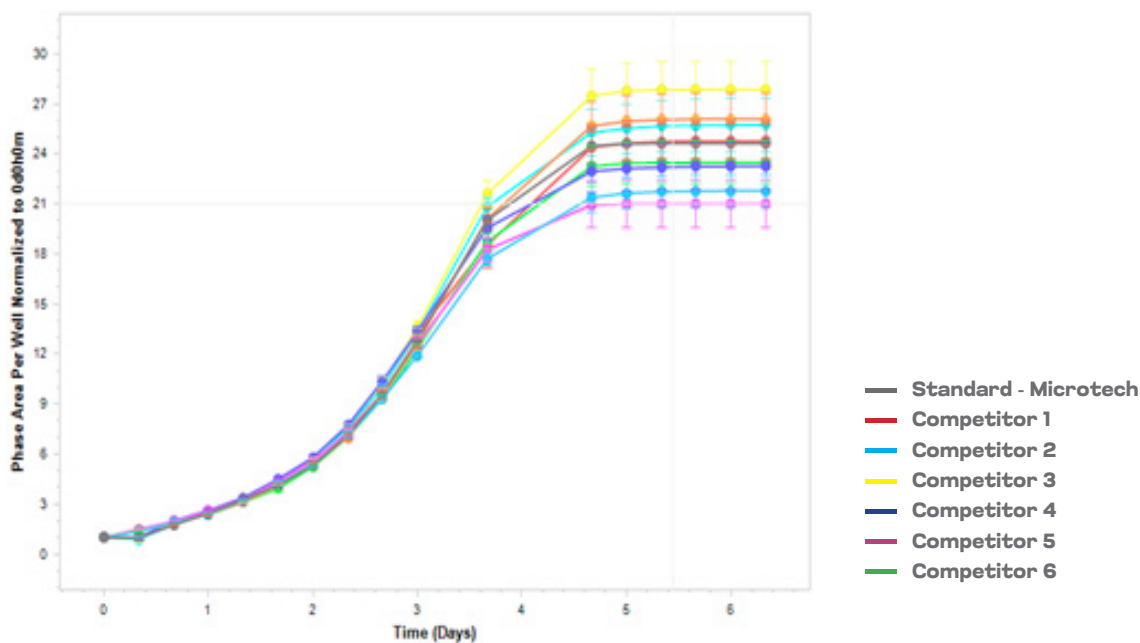
The tests shown were carried out at the cellular and Preclinical Modelling laboratories of IFOM in Milan.

### GROWTH AND VITALITY TEST

#### U2OS CELL LINE

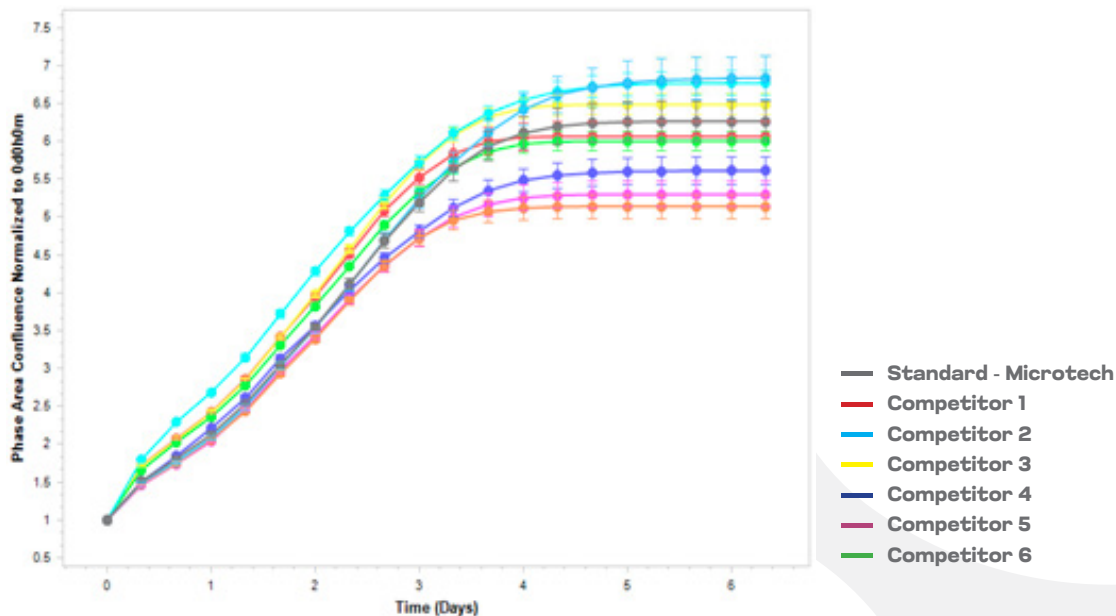


#### A-549 CELL LINE



## GROWTH AND HYPERACTIVATION TEST

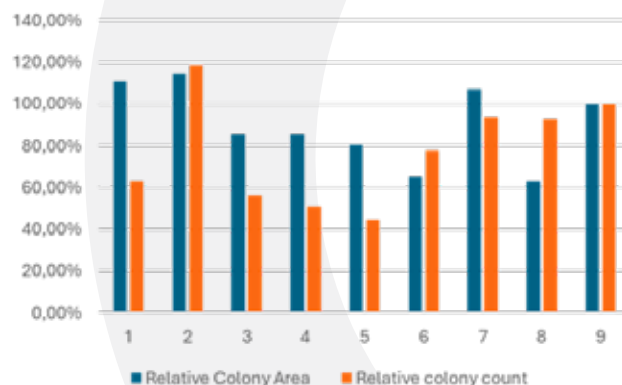
### IMR-90 NORMAL FIBROBLAST CELL LINE



## PLATING EFFICIENCY (COLONY ASSAY)

### L-929 CELL LINE

| Serum  | Average Colony Area | N. of Colonies | Relative Average Colony Area | Relative Count of Colony Area 2 |
|--------|---------------------|----------------|------------------------------|---------------------------------|
| L929_1 | 514,6               | 223            | 110,60%                      | 63,20%                          |
| L929_2 | 533,6               | 418            | 114,70%                      | 118,40%                         |
| L929_3 | 397,7               | 199            | 85,50%                       | 56,40%                          |
| L929_4 | 398,2               | 179            | 85,60%                       | 50,70%                          |
| L929_5 | 374,9               | 157            | 80,60%                       | 44,50%                          |
| L929_6 | 305,4               | 274            | 65,60%                       | 77,60%                          |
| L929_7 | 497                 | 331            | 106,80%                      | 93,80%                          |
| L929_8 | 293,6               | 327            | 63,10%                       | 92,60%                          |
| L929_9 | 465,3               | 353            | 100,00%                      | 100,00%                         |

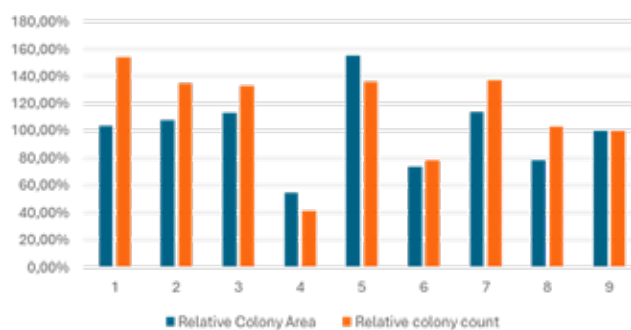


N. 7 - MICROTECH  
N.9 - STANDARD

## PLATING EFFICIENCY (COLONY ASSAY)

## U2OS CELL LINE

| Serum  | Average Colony Area | N. of Colonies | Relative Average Colony Area | Relative Count of Colony Area 2 |
|--------|---------------------|----------------|------------------------------|---------------------------------|
| U2OS_1 | 523,1               | 1248           | 103,30%                      | 153,69%                         |
| U2OS_2 | 546,8               | 1093           | 108,00%                      | 134,61%                         |
| U2OS_3 | 572                 | 1079           | 113,00%                      | 132,88%                         |
| U2OS_4 | 273,4               | 336            | 54,00%                       | 41,38%                          |
| U2OS_5 | 784,5               | 1100           | 155,00%                      | 135,47%                         |
| U2OS_6 | 373,2               | 638            | 73,70%                       | 78,57%                          |
| U2OS_7 | 577,6               | 1111           | 114,10%                      | 136,82%                         |
| U2OS_8 | 397,7               | 835            | 78,60%                       | 102,83%                         |
| U2OS_9 | 506,2               | 812            | 100,00%                      | 100,00%                         |



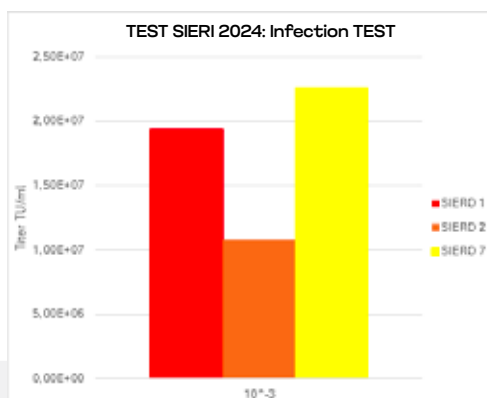
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## INFECTION TEST

For the infection test, only the three best candidates were tested, chosen by evaluating the results of the growth curve and colony assay

## % of GFP POSITIVE CELLS

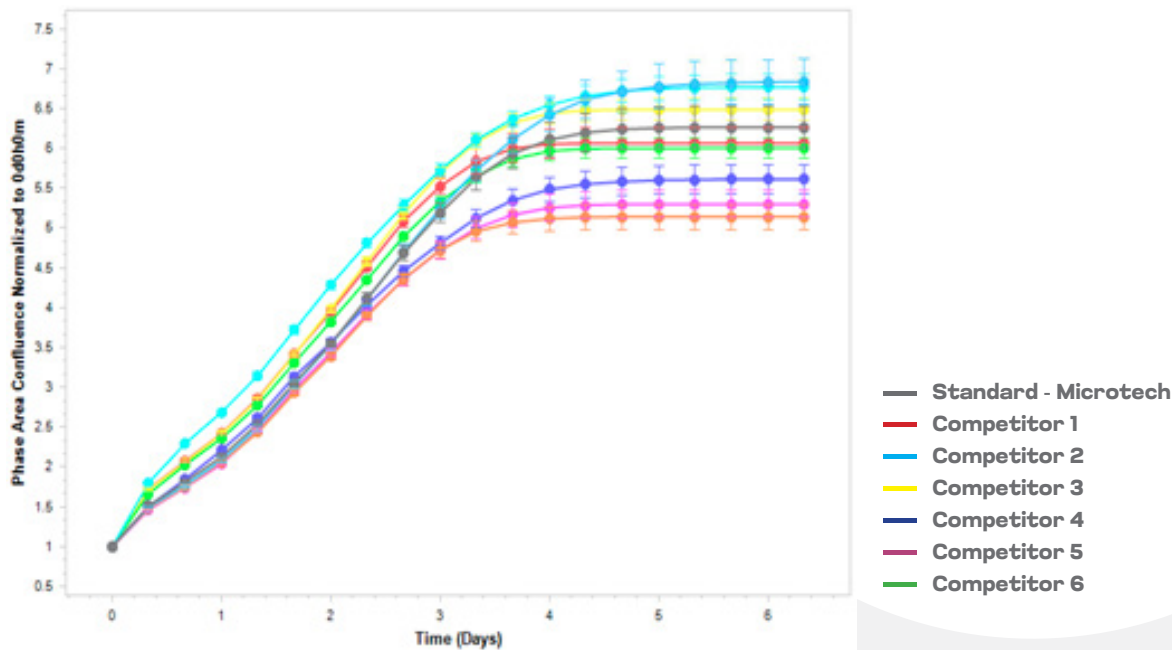
| Dilution         | Siero 1                      | Siero 2                    | Siero 7                      |
|------------------|------------------------------|----------------------------|------------------------------|
| 10 <sup>-2</sup> | 62,50%                       | 48%                        | 68,10%                       |
| 10 <sup>-3</sup> | 18,50%                       | 10,70%                     | 21,50%                       |
| 10 <sup>-4</sup> | 2,30%                        | 1,30%                      | 2,60%                        |
| Titolo virale    | 1,94 *10 <sup>-7</sup> TU/mL | 9,9*10 <sup>-6</sup> TU/mL | 2,26 *10 <sup>-7</sup> TU/mL |



N. 7 - MICROTECH

## GROWTH AND HYPERACTIVATION TEST

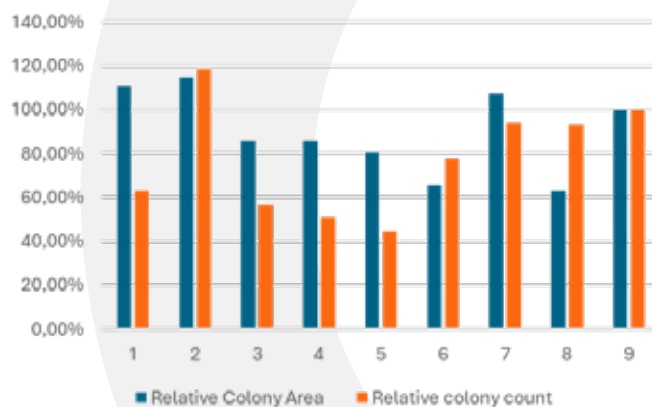
### IMR-90 NORMAL FIBROBLAST CELL LINE



## PLATING EFFICIENCY (COLONY ASSAY)

### L-929 CELL LINE

| Serum  | Average Colony Area | N. of Colonies | Relative Average Colony Area | Relative Count of Colony Area 2 |
|--------|---------------------|----------------|------------------------------|---------------------------------|
| L929_1 | 514,6               | 223            | 110,60%                      | 63,20%                          |
| L929_2 | 533,6               | 418            | 114,70%                      | 118,40%                         |
| L929_3 | 397,7               | 199            | 85,50%                       | 56,40%                          |
| L929_4 | 398,2               | 179            | 85,60%                       | 50,70%                          |
| L929_5 | 374,9               | 157            | 80,60%                       | 44,50%                          |
| L929_6 | 305,4               | 274            | 65,60%                       | 77,60%                          |
| L929_7 | 497                 | 331            | 106,80%                      | 93,80%                          |
| L929_8 | 293,6               | 327            | 63,10%                       | 92,60%                          |
| L929_9 | 465,3               | 353            | 100,00%                      | 100,00%                         |



N. 7 - MICROTECH  
N.9 - STANDARD

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