

Advanced Reduced Serum Media



MICROTECH

LA SCELTA LOGICA

PROMOTION

Advanced Reduced Serum Media

Upgraded formulation with reduced Serum Usage

Limited-Time Promotion

Procell Advanced Reduced Serum Media, including Advanced MEM, RPMI-1640, DMEM, and DMEM/F12, are upgraded formulations designed to support mammalian cell culture with significantly reduced serum supplementation. By incorporating essential bioactive compounds that mimic serum components, these media allow 50% to 90% reduction in Fetal Bovine Serum (FBS) usage without compromising cell growth rates or morphology, maintaining a stable culture environment even under lower serum conditions.

Procell Advanced Reduced Serum Media are intended strictly for research purposes and are not suitable for diagnostic or therapeutic applications in humans or animals. Optimal FBS and supplementation concentrations should be adjusted for each specific cell line to achieve maximum serum reduction.



Key Features

Lower Serum Use

Reduces serum needs with essential components, minimizing variability.

Cost Efficiency

Cuts serum costs by over 50% without sacrificing quality.

Seamless Compatibility

Works with most cells directly, no adaptation required.

Reliable Cell Growth

Supports normal growth and morphology with reduced serum.

Performance Comparison of Cell Lines in Advanced Reduced Serum Media Formulations



Figure 1: Growth comparison of multiple cell lines cultured in Procell Advanced RPMI-1640 (Cat. No.: PM153110) with 5% FBS versus Procell RPMI-1640 (Cat. No.: PM150110) with 10% FBS.

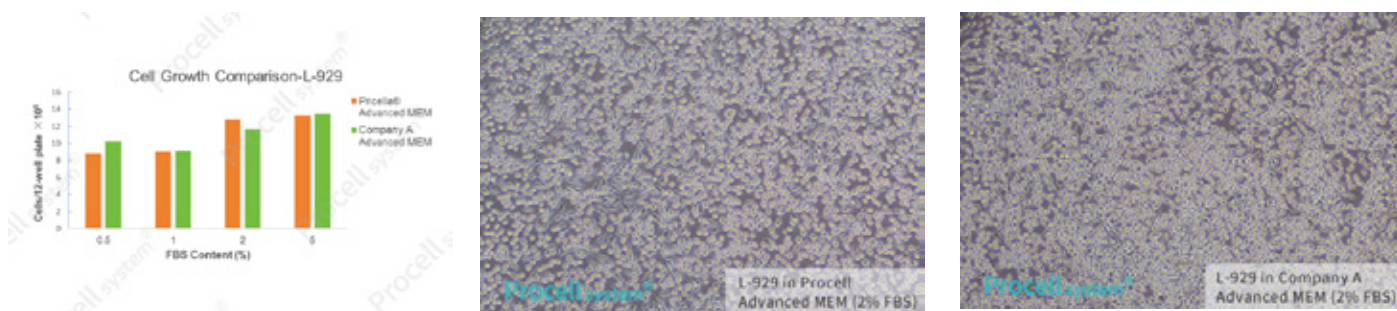


Figure 2: Comparison of L-929 cell growth in Procell Advanced MEM (Cat. No.: PM153410) and Company A's Advanced MEM with 0.5-5% FBS.

Compared to standard RPMI-1640 with 10% FBS, Procell Advanced RPMI-1640 with 5% FBS supports similar or even superior growth in cell lines like Raji and PC-12, with no significant changes in cell morphology (Figure 1). For L-929 cells, Procell Advanced MEM with 0.5-5% FBS demonstrates comparable growth and morphology to Company A's Advanced MEM, indicating equivalent performance at reduced serum levels (Figure 2).



Procell Advanced Reduced Serum Media



Advanced RPMI-1640



Advanced DMEM



Advanced DMEM/F12



Advanced MEM

FAQ

Can all cell types be cultured with reduced serum in Advanced Reduced Serum Media?

Not all cell types are suited for reduced-serum culture with Advanced Reduced Serum Media. We recommend testing a small batch of cells first to confirm that serum reduction does not negatively impact cell health before making a full switch.

How do Advanced Reduced Serum Media enable serum reduction?

Advanced Reduced Serum Media contain specific additives, such as ethanolamine and glutathione, to support serum reduction. Typically, this allows for at least a 50% reduction in serum compared to conventional media. For substantial reductions (e.g., down to 0.5-2% serum), additional adaptation may be necessary for each cell line.

Does reducing serum affect the quality requirements for serum?

No, the need for high-quality serum remains the same. To achieve optimal results, it is recommended to use high-quality fetal bovine serum, even at reduced levels.

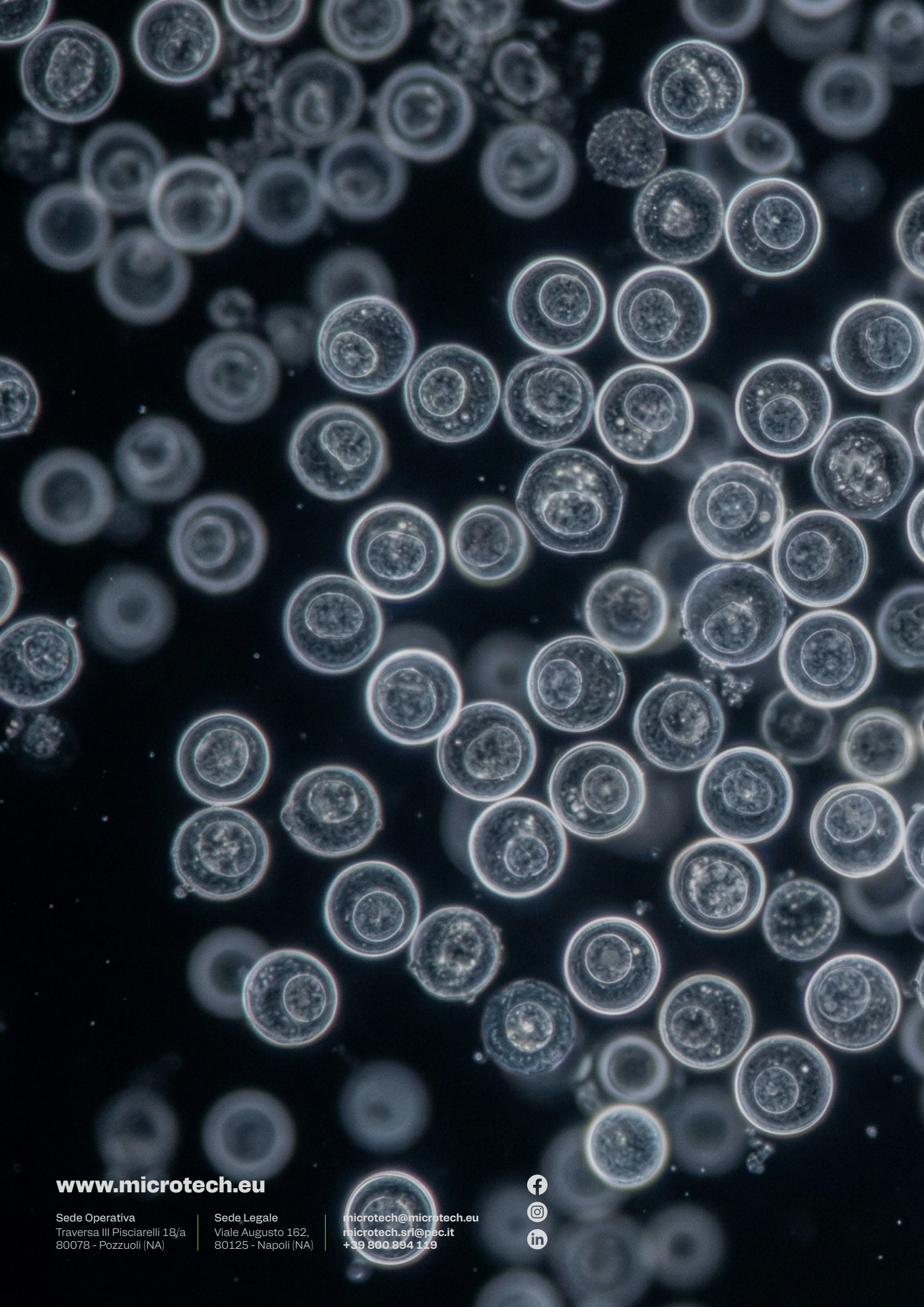
What should I check before adapting cells to reduced serum in Advanced Reduced Serum Media?

Ensure that cells are healthy before beginning serum adaptation with Advanced Reduced Serum Media. Cells with underlying issues, such as contamination by mycoplasma or nanobacteria, are much less likely to successfully adapt to reduced-serum conditions.

Promotion

| Code | Description | Size | List Price | Promo Price |
|----------------|--------------------|-------|------------|-------------|
| PM153110-500mL | Advanced RPMI-1640 | 500mL | 48,00 € | 33,60 € |
| PM153210-500mL | Advanced DMEM | 500mL | 48,00 € | 33,60 € |
| PM153312-500mL | Advanced DMEM/F12 | 500mL | 48,00 € | 33,60 € |
| PM153410-500mL | Advanced MEM | 500mL | 48,00 € | 33,60 € |





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