NEUROMICS

Cas9 Fibroblast Growth Media

Catalog #: CAFM04

Product Size: 500 ml

Storage: 2-8°C for 6 months

Shipping: Polar packs

GENERAL INFORMATION

Cas9 Fibroblast Growth Media is specialized culture media designed for the growth and maintenance of fibroblasts that have been genetically modified using the CRISPR-Cas9 system. Fibroblasts are mesenchymal cells that play a critical role in extracellular matrix production, wound healing, and tissue repair. When working with Cas9-expressing fibroblasts, the growth medium must support both cell viability and the expression of Cas9 for efficient gene editing. This medium is sterile filtered and is ready for use.

Product is for Research use only.

STORAGE AND USE

The medium is stored at 2-8°C. A change in color or appearance of precipitate may indicate deterioration. The product is stable for 6 months from the date of receipt under proper storage condition.

CAUTION

Proper precautions must be taken to avoid exposure. Always wear proper protective equipment (gloves, safety glasses, etc.) when handling these materials. We recommend following the universal procedures for handling products of human origin as the minimum precaution against contamination.

KEY FEATURES

This medium is based on a basal formulation optimized for fibroblasts, supplemented with serum, growth factors, and other additives to support cell growth and Cas9 activity. Cas9 system is delivered via a plasmid with a resistance gene, appropriate selection agent is added to the media. This media supports high cell viability and proliferation, as healthy cells are more receptive to genetic modification. By using a well-optimized growth medium, you can ensure the successful culture and genetic modification of fibroblasts using the CRISPR-Cas9 system, enabling advanced studies in tissue repair, fibrosis, and gene function.

Note: Fibroblasts are robust but can become senescent if overgrown. Maintain cells at 70–90% confluency and passage them before they reach full confluency.

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