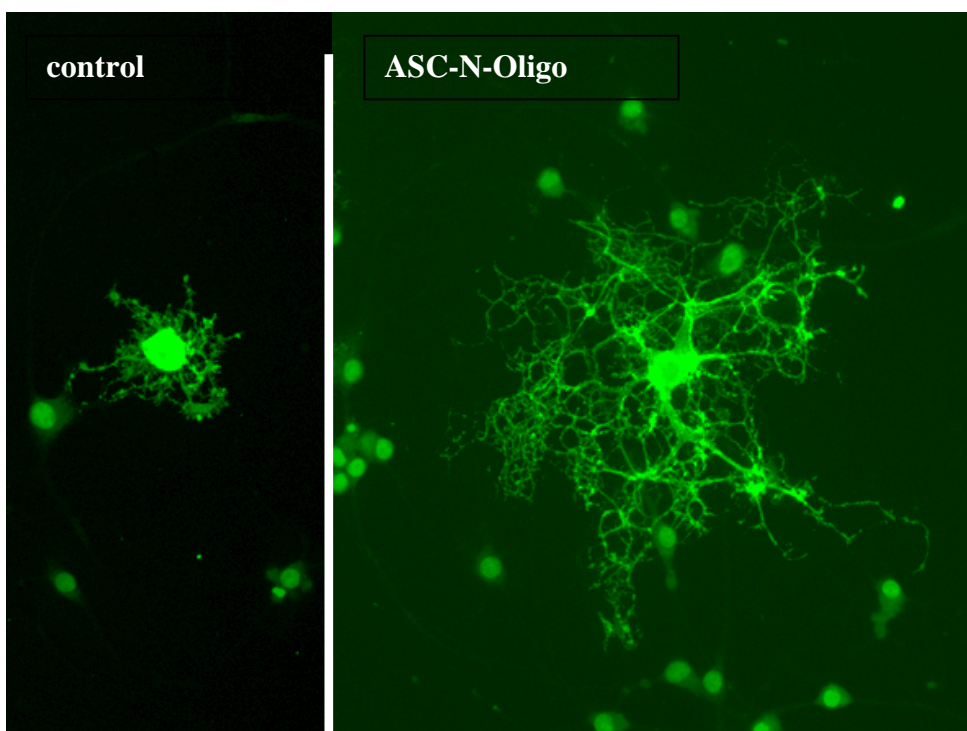


ASC-N-Oligo

Prof.ssa Laura Calzà - University of Bologna

A culture medium formulation developed by ASC-Lab, University of Bologna, to favour the development of oligodendrocyte differentiation in adult neural and embryonic rat stem cells. The use of this medium allows an increase in expression of lineage-specific markers as NG2, CNPase and RIP.



1. Description of the product

- **COMPOSITION:** standard stem cell culture medium including modifications made by ASClab, University of Bologna. (*Composition under evaluation of possible patent*).
- **STERILITY:** Filtered by 0.22µm filter
- **STORAGE:** 4°C
- **STERILITY TEST:** Free from bacteria and mycoplasma.
- **SPECIFICITY:** Tested on rat adult neural and embryonic stem cells.

2. Innovative aspects of the product

A culture medium composition that allows the improvement of development of oligodendrocyte differentiation in adult neural and embryonic rat stem cells.

3. Main advantages of the offer

The use of this medium allows an increase in expression of lineage-specific markers as NG2, CNPase and RIP starting from undifferentiated cell cultures.

4. Technology keywords

Lineage induction, oligodendrocytes, NG2, CNPase and RIP

5. Current stage of development

The oligo ASC medium has been tested on adult neural and embryonic rat stem cells and the induced differentiation studied by immunocytochemistry and Real Time-PCR.

6. Intellectual property rights

Patentability and protection by intellectual property privatives are pending.

Technical and scientific publications

Fernandez M., Paradisi M., Giardino L., Calzà L. To Know Neural Stem Properties From Diseased Brain: A critical step for Brain Repair. Prog. In Stem Cells Research. Ed. NOVA Publishers, 4:77-97. 2006

Fernandez M, Pirondi S, Manservigi M, Giardino L, Calzà L. Thyroid hormone participates in the regulation of neural stem cells and oligodendrocyte precursor cells in the central nervous system of adult rat. Eur J Neurosci.;20:2059-70. 2004

CONTACT

info@biopharmanet.eu

Tel.: +39 0521 905073 - Fax: +39 0521 905006