



# restor<sup>®</sup>

Restor is a minimally manipulated allograft, derived from the umbilical cord tissue layer of Wharton's Jelly and processed to maximize concentration. Restor is for homologous use and is intended to enhance the body's natural ability to heal.

why  
restor<sup>®</sup>

## Product Codes

RES-050	.50ML
RES-100	1.0ML
RES-200	2.0ML

Restor works by secreting powerful bioactive molecules. Restor contains a network of scaffolding proteins, growth factors, cytokines, extracellular matrix and multiple other components needed to enhance the body's natural ability to heal.

Restor umbilical cord tissues lack MHC-II and are therefore hypo-immunogenic. Consequently, there is minimal risk of an allergic reaction for the recipient.<sup>1</sup>

Restor has a strong anti-inflammatory effect reducing the expression of inflammatory cytokines.<sup>2</sup>

Restor has a higher proliferation rate when compared to autologous tissue such as adipose or bone marrow.

Restor is less invasive when compared to other forms of regenerative medicine such as bone marrow or adipose tissue extraction; this results in less pain and rehabilitation time for the patient.

Restor is recovered from healthy, carefully screened mothers at the time of delivery. All protocols are in accordance with the FDA, AATB, and AABB regulations and standards.

1. Sabapathy V, Sundaram B, VM S Mankuzhy P, Kumar S (@014) "Human Wharton's Jelly Mesenchymal Stem Cells Plasticity Augments Scar-Free Wound Healing with Hair Growth" PLoS One 9 (4): e93726 doi:10.1371/journal.pone0093726

2. F. Gao et al. "Mesenchymal Stem Cells and Immunomodulation: Current Status and Future Prospects." Cell Death and Disease (2016) 7:e2062;doi:10.1038/cddis.327

**Disclaimer:** New Life does not make claims that products are a cure for any condition, disease or injury. All statements and opinions provided are for educational and informational purposes only and we do not diagnose or give medical nor legal advice. Individuals interested in regenerative medicine therapy are urged to review all pertinent information and do their own research before choosing to participate in treatments utilizing New Life products.



**New Life<sup>®</sup>**  
REGENERATIVE MEDICINE

# Restor Components (pg/ml)

## Anti-Inflammatory

IL-1ra	21.1
IL-10	4.9
HGF	125.6
TNF RII	7.9
TGFβ-1	583.3

## Homeostatic Cytokines

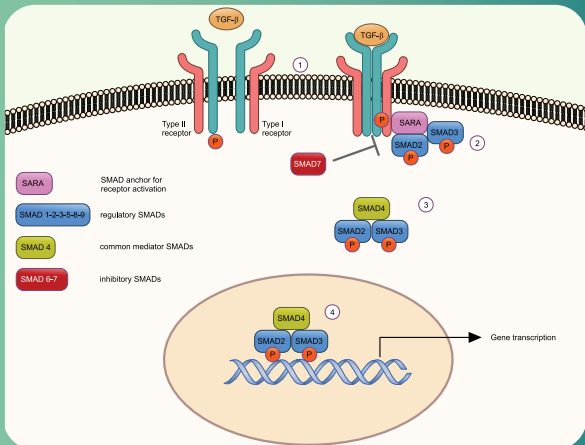
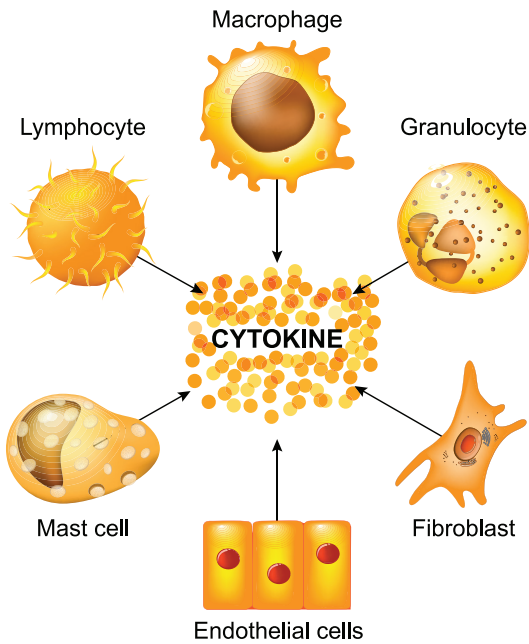
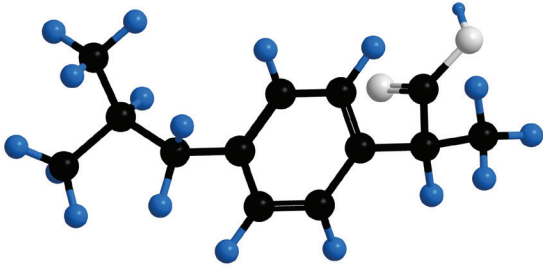
IL-2	9.3
IL-7	30.3
IL-15	71.3
TIMP-2	1,046.20
Lipocalin-2	441.9

## Growth Factors

ANG-1	292.2
bFGF	276.8
BMP-7	46.8
TGFβ-1	583.3
VEGF	5.92

## Wound Healing

VEGF	5.9
TGFβ-1	583.3
IL-6	29.2
PDGF-BB	13.2
HGF	125.6
bFGF	276.3
ANG-1	292.2
FGF-7	33.3



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REGENERATIVE MEDICINE

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