

AI

RG

PAIN RELIEF LINE

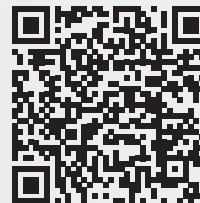
P3

SIGMOLECS® Technology with P3 monodoses



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P³



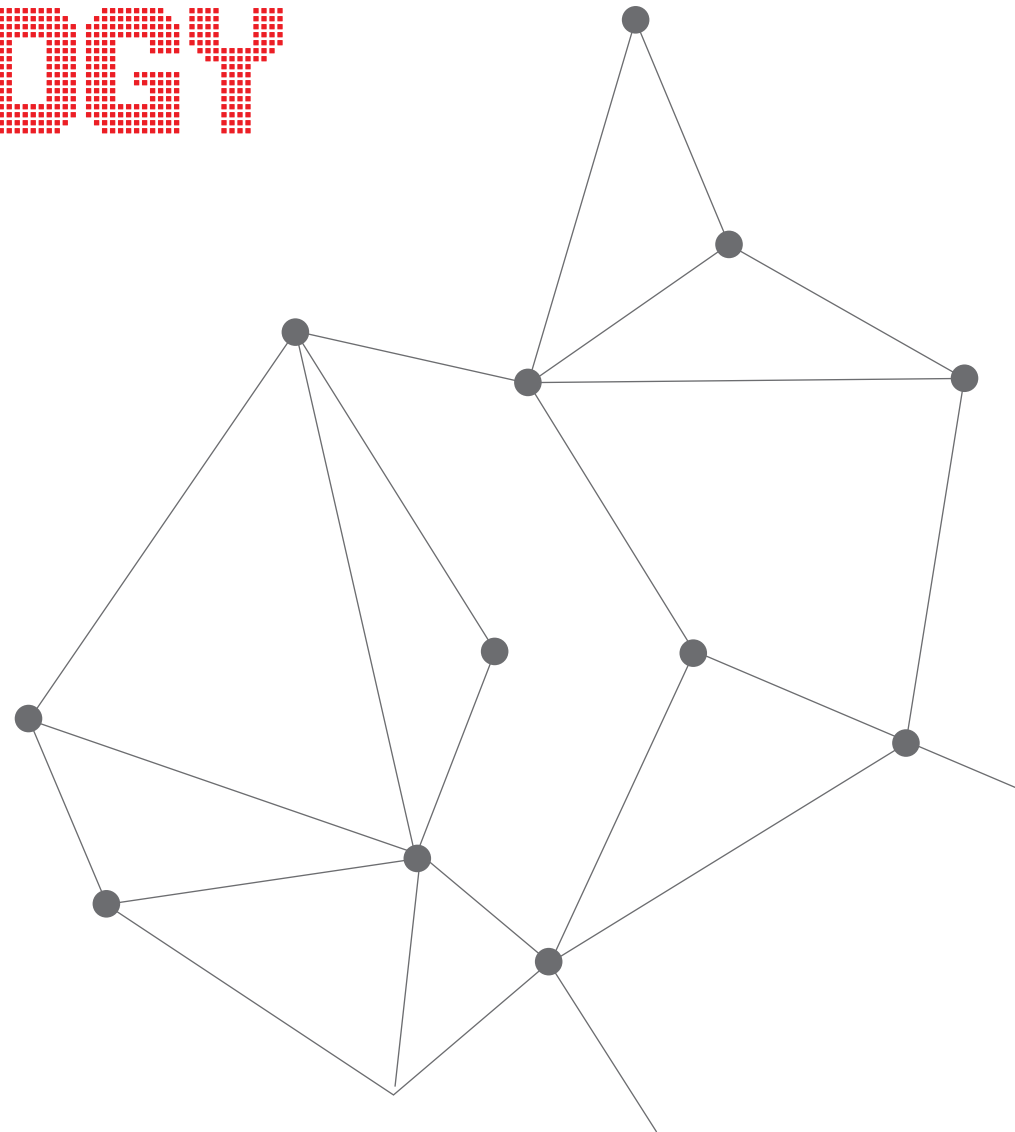
Dr. JO Serrentino

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SIGMOLECS® TECHNOLOGY

SIGMOLECS® Technology
by Dr JO Serrentino for CONTRAD SWISS
SIGMOLECS® Technology with P3 monodoses
A pain management line of products
for optimum joint and soft tissue wellness

Self-penetrating gel imbued with SIGMOLECS®
Technology developed by Dr JO Serrentino to
reach deep tissue by simple topical administration
of a sticky patch. Currently used in selected Sports
Medicine Clinics, in the US.



SIGMOLECS® Technology is the new era of medicine

SIGMOLECS® Technology is an advanced chemical profiling through structural assembling of key molecules, mostly proteins and peptides, that form actuated molecules by specifically:



Improving their bio-activity in solution and *in vivo*;



Increasing their transmembrane penetration;



Creating precise specificity of action, particularly in intracellular signaling.

SIGMOLECS® molecules are configured and assembled to mirror highly specific intracellular signaling factors.



SIGMOLECS® molecules induce signals to key amino acid sensors that govern gene expression of amino acid metabolism that then trigger specific physiological and metabolic activity.

This is done by grafting bioactive peptides or amino acid (AA) sequences onto a source molecule, usually a natural source protein like Soy protein or Collagen peptides.

Sigmolects® molecules are really like microchips carrying the information we want to program into the patient.

GEL MONODOSES

GEL monodoses: P3 AI and P3 RG

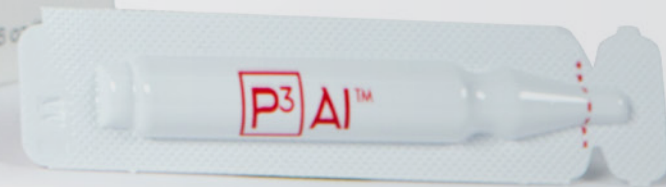
A pain management line of products for optimum joint and soft tissue wellness.

P3 line of monodoses contains SIGMOLECS® Technology in that it designs scaled molecules that can easily penetrate the skin and enter deep tissue.

The shorter the AA sequence, the better the penetration, so molecules are fashioned according to sequences that are 'skin friendly' and can facilitate navigation through cell membranes.

Using native peptides from pork collagen, for example, provides a chemical template to structure therapeutic specificity in a repair combination such as P3 RG; or an anti-inflammatory and anti-nociceptive pathway as in the P3 AI. The basic gel amalgam provides structural molecules conducive to crossing skin and cell barriers, and in this sense, is a completely functional product that is both a carrier and a therapeutic gel.

P3



P3

P3 AI ANTI-INFLAMMATORY AND ANTI-NOCICEPTIVE MONODOSE GEL

The raw material used to design the therapeutic SIGMOLECS® P3 AI gel is soybean protein. This plant contains several small proteins that are already anti-inflammatory in nature, but more importantly, they are conducive to structural modification. SIGMOLECS® uses soybean proteins' intrinsic anti-inflammatory signals to encode the sequence specific to anti-inflammatory and anti-nociceptive pathways. The combined action from the AA sequence structure provides the following properties for P3 AI:



- Vascular support, regulation of blood flow and platelet function;
- Inhibition of inflammatory cytokines IL-6, IL-8 and TNF;
- Mediation of inflammatory response to prevent and reduce edema and pain;
- Considerable analgesic effect without invasive pain or prolotherapy procedures.



P3 RG REGENERATIVE MONODOSES GEL

The raw material used to design the therapeutic SIGMOLECS® P3 RG gel is pork collagen. The peptides extracted from this source, naturally induce signals to promoter regions for glycosaminoglycan synthesis in the connective tissue matrix.

Pork collagen peptides are structured cleaner than other types of collagen. This allows for a larger spectrum of sequencing for specific therapeutic action; especially for sequences that mimic growth factor signaling. The pork collagen peptides have more affinity for human synthesized growth factors than other collagen sources.

- Invokes cell differentiation; especially to chondrocytes and keratinocytes;
- Induces the production of cartilage and collagen;
- Inhibits fibrosis by protecting against immunoreactivity of collagen 1;
- Regulates neutrophils especially in stem cell procedures;
- Stimulates and induces mobilization of transplanted or injected adult stem cells;
- Regulates the Cell Cycle particularly by signaling resting phase cells to migrate to areas of repair;
- Combats oxidative reactions in synovial fluid;
- Repopulates decellularized tissue at the site of injury; especially stimulating chondrocytes;
- Provides the extracellular matrix with signals, such as those that mimic hematopoietic cytokines, which reinforce procedures such as PRP and stem cell.

Uses of P3 monodoses

You can use P3 AI with P3 RG in several areas, as needed, on your patient.

The P3 RG gel can be applied on the area in need of repair.

P3 AI gel can be applied in the area above the P3 RG gel, if you need pain relief.

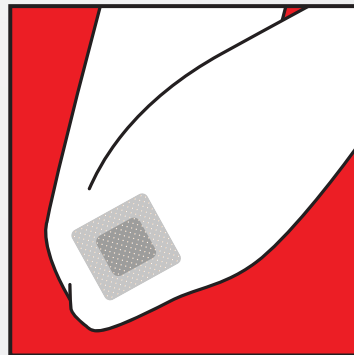
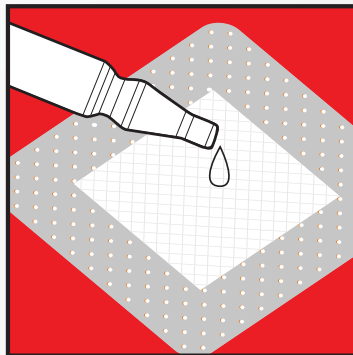
P3 RG is particularly good to apply after a stem cell treatment as it will enhance your treatment protocol by providing the regenerative cytokine signals and providing the needed elements to the extracellular environment. It signals repair pathways while inhibiting TNF-override that often occurs during repair processes.

This is achieved by an IRAP code built-in to the SIGMOLECS® assembly structure of the P3 RG monodose gel.



Put the monodose gel to the middle of the gauze island on an adhesive patch of your choice. No need to spread the gel. It should remain as a pearl in the middle of the patch. Once your adhesive patch is prepared with the gel drop on the gauze section, apply it to the affected area.

- 2x4 or 4x4 inch adhesive patches are preferred.
- Apply the patch to the painful area or above the point of pain.
- Several patches can be applied to the patient in different areas.
- Make sure the gel does not leak to the adhesive sides.
- The patch should remain in situ for a minimum of 2.5 hours and optimally for 6-8 hours.
- There is no limit, the patients can even remove the patch the next day.



IMPORTANT TIPS:

It is important to tell patients not to get the patch wet once in place.

It is important to apply the patch to clean dry skin. You can wipe the area with alcohol to ensure a clean dry surface.

It is important to cover the gel with an adhesive patch; DO NOT TO USE IT AS A TOPICAL RUB.

WE ARE CONTRAD

With more than 25 years of experience in the field, our Group is among the most innovative pharmaceutical corporations specialized in OTC, medical devices, functional cosmetics and dietary supplements.

Our innovation can be expressed in the formula, and/or in a new way of administration or for novel application. All our products are respected for their solid scientific support and they all carry the consumer recognition of quality and convenience.



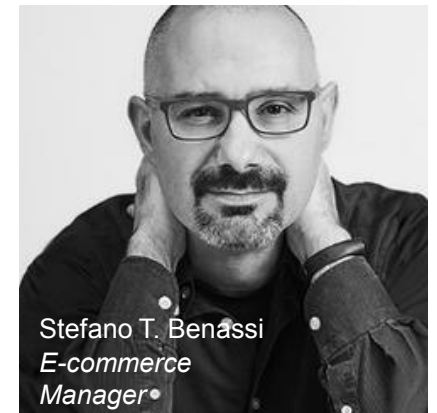
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*Head of Executive
& Administrative
Dept*



Stefano T. Benassi
*E-commerce
Manager*

We offer premium, innovative, ethical
and unique products based on the latest
technologies to make consumers feel at their
best and make their life easier and better.



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Francesco Fogato
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