


Biomeet™ -SeaCharm Youth (Protamine)

From the North Pacific Ocean
Awakening the skin's self-healing power



Each female salmon can lay 4000 fish eggs, but only 2 of them can survive and migrate to their birthplace

Genes that have gone through countless hardships and dangers

Biomeet™ - SeaCharm Youth (Protamine)

INCI: SODIUM DNA

Origin: Extracted from male salmon sperm

Appearance: White to slightly yellow powder

Molecular weight:
About 100-500kDa

Recommended addition:
0.05%-0.3%

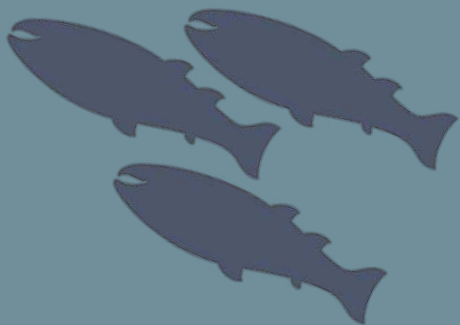
Solubility: Water soluble

Package: 100g/bottle

Shelf-life: 24 months

Usage instruction:

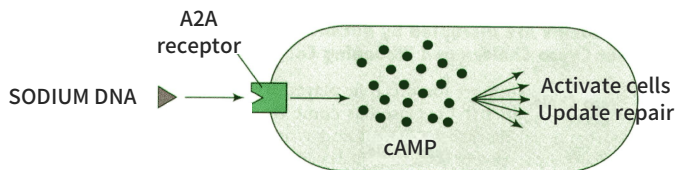
- Avoid prolonged high-temperature heating
- Avoid using together with aluminum ions, calcium ions, iron ions, cocamidopropyl betaine, sorbitan stearate, hydrogenated lecithin



Benefit

• Activate cell self repair

SODIUM DNA can bind to adenosine A2A receptor, regulate immune cells to participate in inflammatory response, suppress inflammation, and promote cell turnover and metabolism.

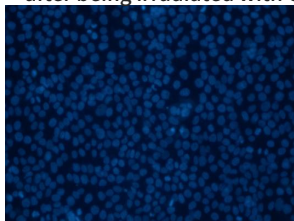


• Reduce light damage

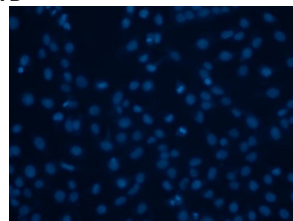
The purines and pyrimidines in SODIUM DNA have conjugated double bonds, resulting in a strong absorption peak in the UV range of 240-290 nm. So SODIUM DNA can reduce the damage of UVB to the skin.

Hoechst 33342 Fluorescence stained cell images

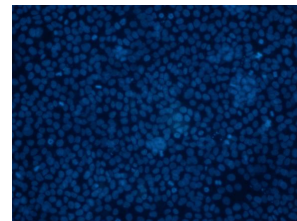
Cells treated with SODIUM DNA showed intact cell structure and no obvious fragments after being irradiated with UVB



A. Control



B. 30mJ/cm² UVB irradiation



C. 0.25% SODIUM DNA
30mJ/cm² UVB irradiation

• Anti-senile

Due to the high homology between salmon DNA and the human body, it can supplement raw materials for repairing intracellular DNA, promote cell division, and thus anti-senile.



Stability

• Temperature

0.5% aqueous solution, 60°C, 6h

• Light stability

0.5% aqueous solution, 4500LX, 40 °C, 10 days

• pH

pH 3.0~11.0, the solution is clear



Safety

• Human skin patch test

30 subjects, no adverse reactions