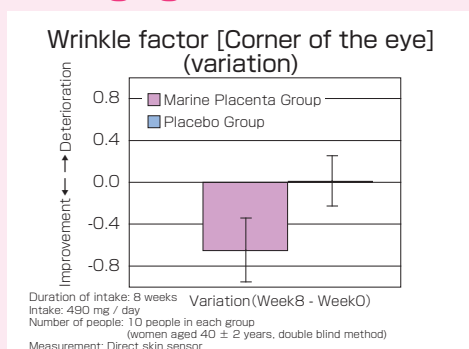
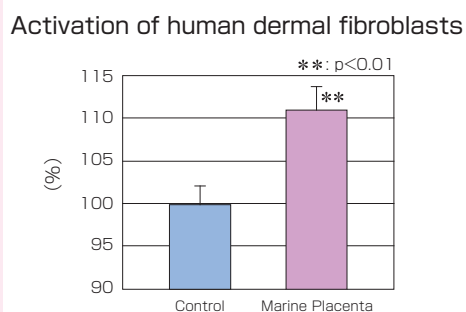


Marine Placenta is a food ingredient containing salmon ovary membrane extracted and purified using an innovative method developed by Nippon Barrier Free. It contains amino acids, type I collagen, chondroitin sulfate, hyaluronic acid, and other components.

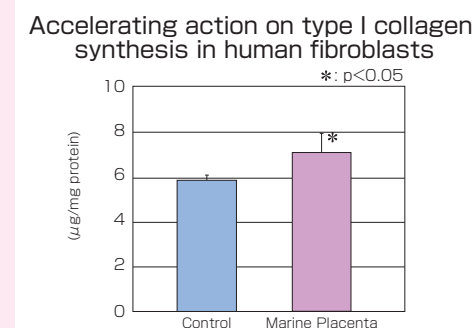
Anti-aging (Wrinkle factor)



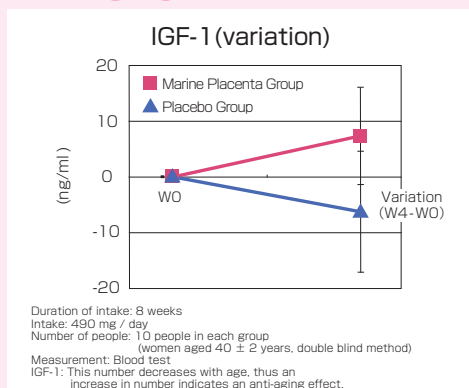
Cell activation test using human dermal fibroblast



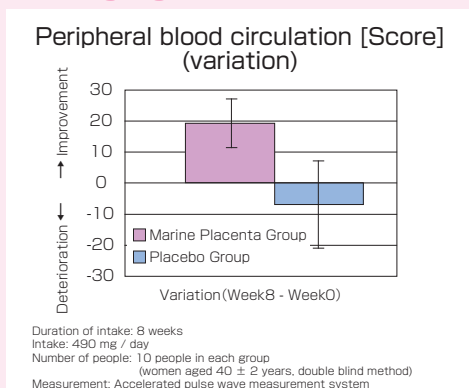
Type I collagen synthesis



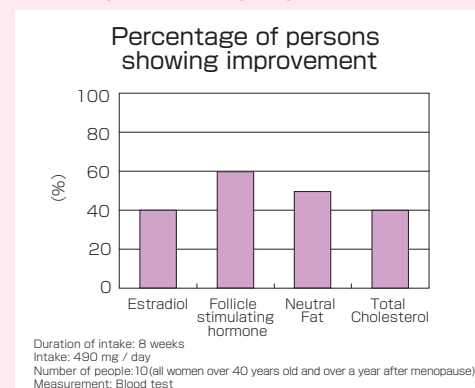
Anti-aging (IGF-1)



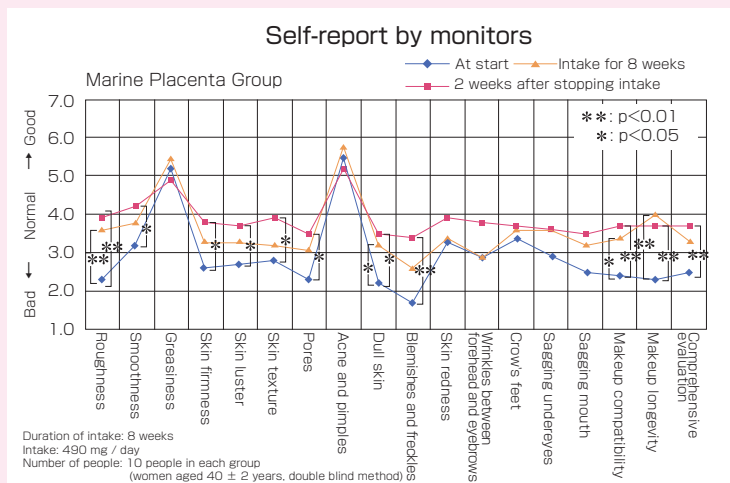
Anti-aging (Peripheral blood circulation)



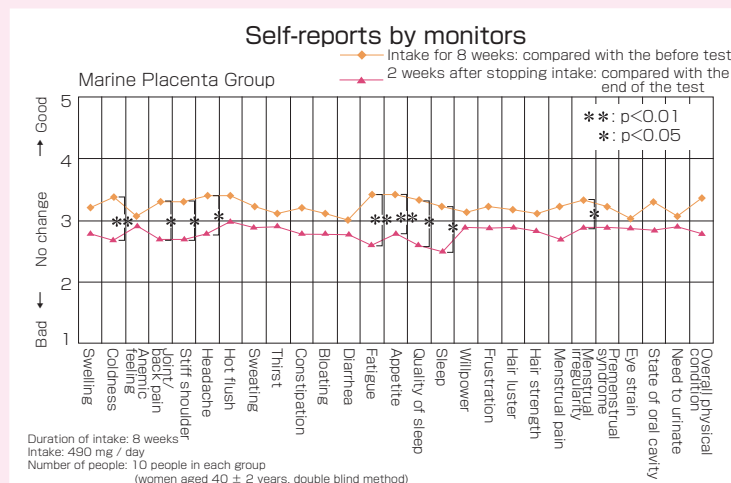
Menopause symptoms



Anti-aging (Change in skin condition)



Anti-aging (Change in physical condition / constitution)



◎Safety Data

- Single oral dose toxicity test • Reverse mutation test

◎Evidence

- Anti-aging test (wrinkle improvement, IGF-1 increase, peripheral blood circulation improvement, etc.)
- Test of menopausal disorders (Improvement of female hormone balance and other effects)
- Test of hair growth (promotion of hair growth)
- Cell activation test using human dermal fibroblast
- Type I collagen synthesis test using human dermal fibroblast
- Antioxidant action

◎Patent

- Skin roughness improvement formulation (Patent No. 3899116: Japan)
- IGF-1 value-increasing agent (Patent No. 3946238: Japan)
- Acceleration pulse wave aging index raising agent (Patent No. 3946239: Japan)
- Anti-aging agent (Patent No. 10-1301037: Korea)

Marine Placenta is a registered trademark of Nippon Barrier Free Co., Ltd.

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– The Science of Salmon™ – Nippon Barrier Free Co., Ltd.

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