

UNBELIEVABLE

Deep Sea Water

Cellular Health

Scientific Research on Deep Sea Water and Cellular Function

Key Health Benefits

- Anti-inflammatory properties (inhibits NLRP3 inflammasome)
- Powerful antioxidant effects
- Supports mitochondrial biogenesis
- Reduces oxidative stress and cellular damage
- May inhibit cancer cell metastasis

Peer-Reviewed Research Studies (5 Publications)

Study 1: Mineral-Enriched Deep-Sea Water Inhibits the Metastatic Potential of Human Breast Cancer Cell Lines

Hwang H.J., Moon S.W., Kim J.A., Lee D.Y., et al. (2013)

Journal: International Journal of Oncology

Key Findings: In MDA-MB-231 and MCF-7 cells, DSW reduced migration/invasion, lowered MMP-9 activity, and down-regulated TGF- β , Wnt5a, Wnt3a, indicating anti-metastatic potential.

Access: <https://www.spandidos-publications.com/10.3892/ijo.2013.2089>

Study 2: The Inhibitory Effects of Deep-Sea Water on Doxorubicin-Induced EMT in MCF-7 Human Breast Cancer Cells

Kim K.W., Hwang H.J., Han M.H., Park C., et al. (2017)

Journal: Oncology Reports

Key Findings: DSW suppressed EMT markers (vimentin, fibronectin, Slug, Snail-1) and reduced migration under doxorubicin treatment → potential to limit drug-induced metastasis/resistance.

Access: <https://www.spandidos-publications.com/10.3892/or.2017.5726>

Study 3: Magnesium-Enriched Deep-Sea Water Inhibits NLRP3 Inflammasome Activation

Park J.S., Lee H.J., et al. (2024)

Journal: Heliyon (Cell Press)

Key Findings: High-Mg DSW inhibited NLRP3 inflammasome activation in preclinical models, suggesting anti-inflammatory modulation of cancer-related pathways.

Access: [https://www.cell.com/heliyon/fulltext/S2405-8440\(24\)11167-X](https://www.cell.com/heliyon/fulltext/S2405-8440(24)11167-X)

Study 4: Refined Deep-Sea Water Suppresses Inflammatory Responses via the MAPK/AP-1 and NF-κB Pathway

Katsuda Y., Tanabe K., Ishige A., Komatsu K., et al. (2017)

Journal: PMC - International Journal of Molecular Sciences

Key Findings: RDSW suppressed pro-inflammatory signaling (MAPK/AP-1, NF-κB) in macrophages → mechanistic support for cancer-relevant inflammation control.

Access: <https://pubmed.ncbi.nlm.nih.gov/29088069/>

Study 5: Potential Health Benefits of Deep Sea Water: A Review

Mohd Nani S.Z., Majid F.A., Jaafar A.B., et al. (2016)

Journal: PMC

Key Findings: Review synthesizing evidence that DSW, via anti-inflammatory/antioxidant actions and mineral balance, may reduce risk factors linked to cancer and lifestyle diseases.

Access: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5221345/>

About UNBELIEVABLE Deep Sea Water

Sourced from 510 meters below the East Sea of Korea. Triple Gold Medal winner. 70+ natural minerals. pH 8.2 naturally alkaline. 3:1:1 magnesium-calcium-potassium ratio.

For Partnership Inquiries: Visit unbwater.com