

# LonGeVa™

WATER QUALITY & HUMAN PHYSIOLOGY  
A Foundational Clinical Parameter

Water is the primary medium for:

- Hormone transport
- Cellular communication
- Metabolic regulation
- Waste elimination

**WATER QUALITY DIRECTLY INFLUENCES BIOLOGICAL FUNCTION.**

## CELLULAR FUNCTION

- ✓ Intracellular reactions rely on aqueous conditions
- ✓ Signal molecules require fluid mobility
- ✓ Water is essential for enzymatic processes

## HORMONAL SIGNALING

- ✓ Hormones travel in plasma (~92% water)
- ✓ Receptor binding requires a proper environment
- ✓ Water integrity affects endocrine response

## CONTAMINANT IMPACT

- ✓ PFAS (persistent compounds)
- ✓ Microplastics
- ✓ Pesticide residues
- ✓ Pharmaceutical traces

## DETOX & REGULATION

- ✓ The liver processes hormone breakdown
- ✓ The kidneys filter and excrete endocrine waste

**WATER INFLUENCES TRANSPORT, SIGNALING, AND ELIMINATION -  
THE CORE OF PHYSIOLOGICAL REGULATION.**

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