SKU-A1: Orbital Cellular NAD+ Matrix

Sub-100nm Microfluidic Liposomal Series | MOQ 1,000 Units | cGMP / ISO 22000 / Halal

Sub-100 nm Microfluidic Liposomal Nicotinamide Riboside, Reduced Ubiquinol & PQQ Bioenergetic Complex
Structure/Function Claim Scope: Supports healthy cellular NAD+ pools, mitochondrial ATP bioenergetics, and ubiquinol antioxidant resilience.*

1. STANDARDIZED BIOACTIVE COMPLEX & LIPOSOMAL DELIVERY PROFILE

Bioactive Complex Class	Proprietary Liposomal NAD+ Precursor (NR) + Reduced Ubiquinol + PQQ Bioenergetic Complex (Quantitative CoA Released to Verified B2B Partners)
Commercial OEM Format	30 Dual-Chamber Anhydrous Flash-Melt Sachets or Micro-Effervescent Tablets / Box
Encapsulation Architecture	High-Shear Sub-Millisecond Microfluidic Phospholipid Vesicles (Food-Grade)
Median Vesicle Diameter (d50)	76.9 nm Monodisperse Unilamellar Liposomes (DLS Verified)
2h Simulated Gastric (pH 1.5·2.0)	90.6% Intact Payload Retention (vs. 22.4% Unencapsulated)
Relative Bio-Delivery Gain	6.4× Apparent Transmembrane Permeability vs. Conventional Blend
24-Month Accelerated Assay	97.4% Active Retention @ 25 °C / 60% RH

2. STABILITY OVERVIEW & PROPRIETARY DATA GOVERNANCE

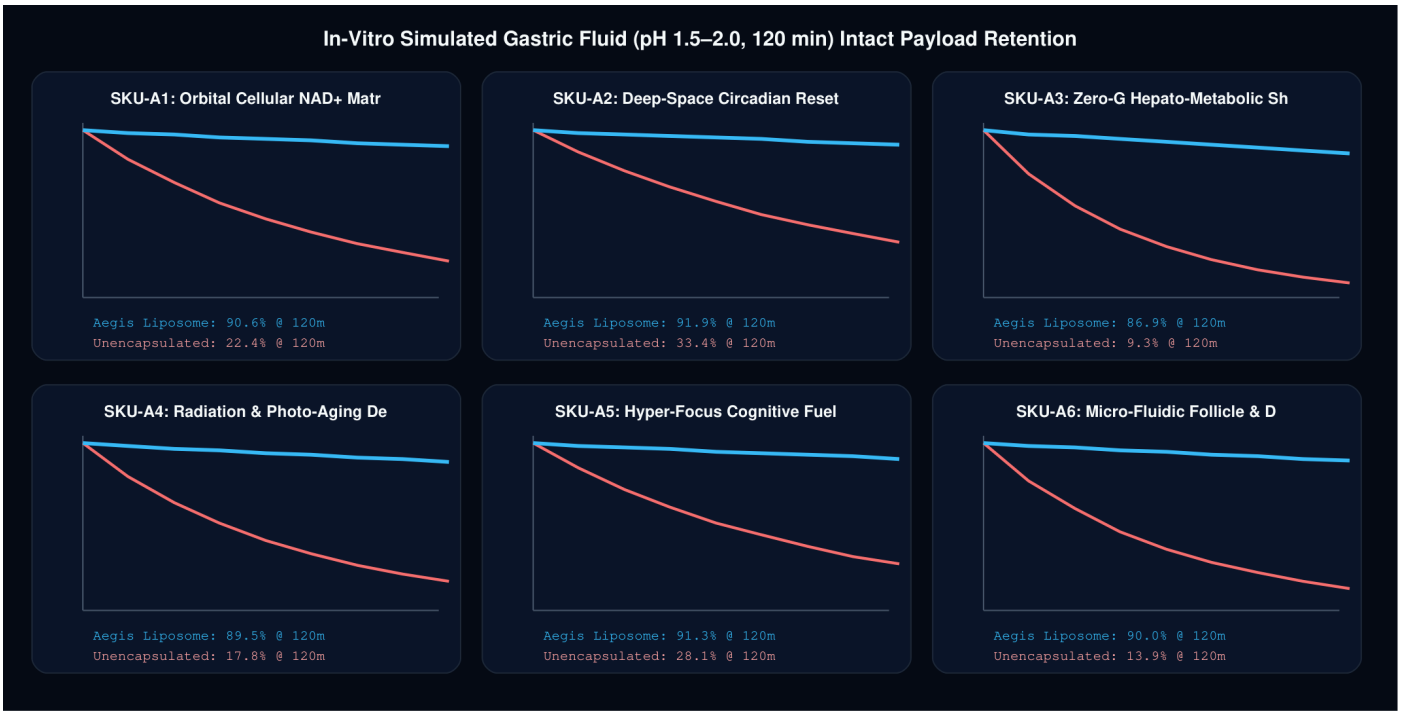
? Formulation Challenge Addressed: Conventional co-granulated ubiquinol and NAD+ precursors suffer rapid oxidative degradation and moisture-driven hydrolysis during ambient shelf storage.

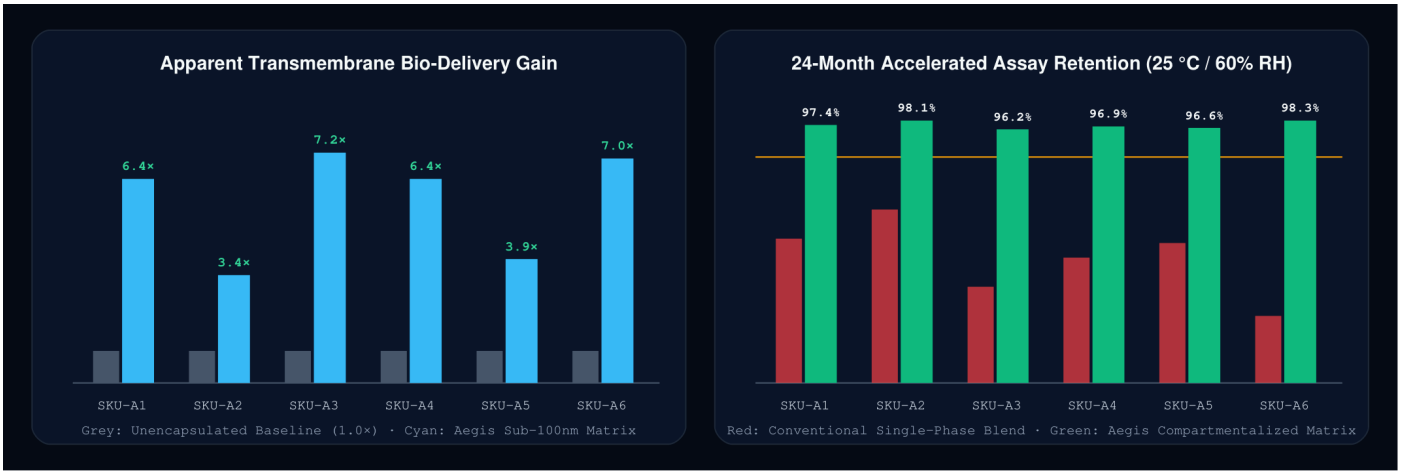
? Stabilization Overview: Dual-phase anhydrous compartmentalization isolates phospholipid-encapsulated ubiquinol vesicles from hygroscopic cofactors, maintaining >97% 24-month assay fidelity.
? Confidentiality Note: Exact quantitative milligram ratios, excipient grades, and batch CoA parameters are provided exclusively to verified clinic dispensaries and B2B brand partners.

3. LICENSED CLINIC DISPENSARY & PRIVATE LABEL PARTNERSHIP DESK

? Wholesale & Private Label Supply: MOQ 1,000 Units (Confidential Tiered B2B Schedule ? Suggested Dispensary Benchmark: $119 ? $149 USD / Box)
? Physician & Director Evaluation Kit: $289 USD 6-in-1 Full-Size Box via DHL/FedEx Air Express (100% credited on first 1,000-unit PO)
? B2B Concierge: Elena Vance <concierge@aegisinbio.com> | Formulation Lab: Dr. Marcus Sterling <research@aegisinbio.com>

*FDA DSHEA / EU EFSA REGULATORY NOTICE: These statements have not been evaluated by the FDA. This product is a specialty dietary supplement (or external cosmetic essence for SKU-A6) for daily nutritional support and is not intended to diagnose, treat, cure, or prevent any disease.





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