



INTRODUCING

NEXT-GEN SKINCARE

With Human Umbilical Cord and Amniotic Membrane Exosome & Growth
Factors



QBio Exosomes have a unique formulation that offers the optimal exosome source; the highest protein concentration; the most extensive quality & quantity testing; and the highest viable protein count.

- Source and Origin, human umbilical cord and amniotic membrane tissue.
- Ethical and Regulated Sourcing
- Pure, not Expanded
- Flash Frozen, no potency loss
- Pearl Shape for Faster, Uniform Re-constitution
- Potency Verification: Nanoparticle Composition and Tracking Analysis
- Clinical Evidence and Validation, UT Arlington Nano Lab
- Expert Training on Protocols and Methodologies
- Manufactured in the USA, Dallas, TX



QBIO GRO

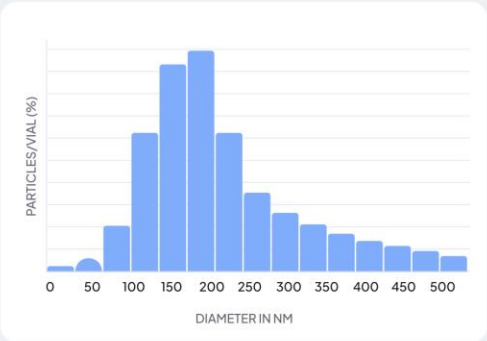
Lyophilized post-procedure hair care product designed to accelerate recovery following hair grafting, transplants, and other hair restoration treatments. QBio Gro enhances follicle recovery, strengthens hair at the root, and nourishes the scalp, promoting thicker, healthier hair while reducing thinning.

QBIO GRO

Product Composition Summary

Analytical Results

- 1. Total Exosome Count
 - Methodology: DLS Particle Counter
 - Concentration: 50 Billion per vial
 - Size Range: 50–350 nm
 - Mean Size: 200 nm
- 2. Protein Composition
 - Analysis Methodology: Mass Spectrometry
 - Concentration: Units are in pg/vial



Protein/Peptide	Relevance in Haircare	Concentration
Insulin-like Growth Factor II (IGF2)	Stimulates hair follicle growth, dermal papilla cell proliferation, and regeneration.	2,080,000
Epidermal Growth Factor Receptor (EGFR)	Promotes hair follicle development and regeneration by activating EGFR, enhancing cell growth and differentiation.	1,200,000
Fibroblast Growth Factor 1 (FGF1)	Stimulates dermal papilla cell proliferation, supports hair follicle growth, and aids in wound healing.	530,000
Platelet-Derived Growth Factor Receptor Beta (PDGFRB)	Regulates hair follicle formation, supporting fibroblast migration and proliferation for hair regeneration.	1,900,000
Vascular Endothelial Growth Factor A (VEGFA)	Enhances angiogenesis, improving nutrient and oxygen delivery to hair follicles, supporting growth.	530,000
Insulin-like Growth Factor-Binding Protein 1 (IGFBP1)	Modulates IGF effects, balancing growth factor activity to enhance hair growth and regeneration.	1,760,000
Insulin-like Growth Factor-Binding Protein 3 (IGFBP3)	Regulates IGF, promoting hair follicle development, regeneration, and hair cycle regulation.	160,000
Transforming Growth Factor-Beta-Induced Protein (TGFB1)	Supports collagen synthesis and extracellular matrix regulation, aiding hair follicle regeneration.	170,000
Insulin-like Growth Factor-Binding Protein 5 (IGFBP5)	Modulates IGF activity, promoting hair follicle growth, cell proliferation, and hair cycle regulation.	2,200,000
Epidermal Growth Factor Receptor Substrate 15 (EPS15)	Involved in growth factor internalization, promoting hair follicle proliferation and regeneration.	2,100,000

*Proteins and peptides listed here represent a selection of the key bioactive components present in our product. This is not an exhaustive list of all the proteins involved in the formulation.
** DLS Particle Count was performed by the Nano Medicine and Tissue Engineering Lab at the UT Arlington.
***Mass Spectrometry was performed by Proteomics Core Division at UT Southwestern Medical Center

INTEGRETY IN INNOVATION

OUR ETHICAL SOURCING PROMISE

We partner with FDA-registered cord banks and hospitals across the US to source eligible tissues. These partnerships guarantee that our sourcing practices are ethical, responsible, and compliant with all regulations.

RIGOROUS DONOR STANDARDS

Our donor program requires healthy, full-term live birth via scheduled cesarean section. Expectant mothers must not have disqualifying medical conditions.

COMPREHENSIVE SCREENING

Eligible donors undergo thorough screening, including detailed medical history, family medical history, and social and travel history assessments..

ADVANCED TESTING

We test for a range of infectious diseases in FDA CLIA-certified labs, including Human Immunodeficiency Virus I &II, Hepatitis B and C Virus, Trypanosoma Cruzi, Syphilis, Human T-lymphotropic Virus, Cytomegalovirus, West Nile, and Zika. Only tissues that test negative fo all these diseases are used in our products.

QBio Elixir Certificate Of Analysis

Product ID: 1234567890

Tissue ID: CRP202400047

Batch Number: QBP-24-1425

Manufacturing Date: August 24, 2024

Expiry Date: August 23, 2026

Product Description:

QBio Elixir is a lyophilized formulation enriched with bioactive biomolecules derived from human umbilical cord and amniotic membrane tissues. It is designed to rejuvenate the skin at a cellular level, promoting a youthful and radiant complexion.

Active Ingredients:

Human Umbilical Cord and Amniotic Membrane Derived Regenerative Bioactive Biomolecule Complex: Contains essential growth factors, cytokines, and extracellular vesicles that support skin regeneration and anti-aging processes.

Physical Appearance:

Uniform off-white to beige lyophilized porous matrix.

Storage Conditions:

Store in a cool, dry place, away from direct sunlight, between 2°C to 30°C (36°F to 86°F).

Donor Screening:

- Sourced from FDA-registered cord banks and hospitals within the United States. Confirmed
- Tissues obtained from healthy, full-term births via scheduled cesarean section. Confirmed
- Comprehensive assessment of maternal medical history. Done
- Evaluation of family medical history for genetic conditions. Done
- Screening for exposure to communicable diseases. Done
- Assessment of lifestyle factors that may affect tissue quality. Done

Infectious Disease Testing:

Viral Pathogens:

- HIV Type 1 & 2 (Human Immunodeficiency Virus), Negative
- HBV (Hepatitis B Virus), Negative
- HCV (Hepatitis C Virus), Negative
- HTLV-I & II (Human T-lymphotropic Virus), Negative
- CMV (Cytomegalovirus), Negative
- West Nile Virus, Negative
- Zika Virus, Negative

Bacterial and Parasitic Infections:

- Syphilis (Treponema pallidum), Negative
- Trypanosoma cruzi (Chagas Disease), Negative

Certification:

This is to certify that QBio Elixir with Batch Number QBP-24-1425 has been manufactured and tested according to Quintessence Biologics' quality standards and complies with all applicable regulatory requirements.

Authorized Signature:

Name:

[Authorized Person's Name]

Title:

[Title]

Date:

[Insert Date]

