

THIRD-PARTY VERIFIED

# APEX™ Product Lab Verification Report

Independent testing confirms the safety, potency, and biological activity of every batch used at The Stem Cell Club.

<b>Product</b> WJ+ & XO (Exosomes)	<b>Lot Number</b> 20A0032	<b>Expiration</b> September 2028	<b>Storage</b> -80°C (WJ+) / -20°C (XO)	<b>Testing Lab</b> Eurofins DPT + Ohio University
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## SECTION 01

### Safety & Sterility Testing

Every batch is screened for 13 communicable diseases and undergoes 14-day sterility and endotoxin testing before it's approved for clinical use — meeting FDA 21 CFR Part 1271 standards. Testing performed by Eurofins DPT (CLIA ID: 06D0717586).

TEST	RESULT	STATUS
Chagas (EIA)	Non-Reactive	✓ PASS
CMV IgM	Negative	✓ PASS
Hepatitis B Core Total Ab	Non-Reactive	✓ PASS
Hepatitis B Surface Ag	Non-Reactive	✓ PASS
Hepatitis C Virus Ab	Non-Reactive	✓ PASS
HIV Ag/Ab Combo	Non-Reactive	✓ PASS
HTLV I/II Ab	Non-Reactive	✓ PASS
Syphilis Screening	Non-Reactive	✓ PASS
Ultrio Elite HBV	Non-Reactive	✓ PASS
Ultrio Elite HCV	Non-Reactive	✓ PASS
Ultrio Elite HIV-1/2	Non-Reactive	✓ PASS
West Nile Virus (WNV)	Non-Reactive	✓ PASS
14-Day Sterility (USP <71>)	No Growth — Day 14	✓ PASS
Endotoxin (ENDOSAFE PTS150)	<0.100 EU/mL	✓ PASS

\* Communicable disease and sterility testing performed by Eurofins DPT, CLIA ID 06D0717586, Centennial, CO. Endotoxin testing performed on Charles River ENDOSAFE PTS150 V10.2.2, Cartridge Lot #4629137. Lot 20A0032 met all eligibility and testing requirements for birth tissue per FDA 21 CFR Part 1271.

## SECTION 02

## Exosome (XO) Particle Analysis

The XO exosome product in our APEX™ formulation is tested by Nanoparticle Tracking Analysis (NTA) at Ohio University Innovation Center to verify particle concentration and size — confirming the therapeutic dose and optimal delivery range.

TEST	SPECIFICATION	RESULT	STATUS
Particle Concentration (particles/mL) — NTA	$\geq 3.5 \times 10^{11}$	$3.65 \times 10^{11} \pm 1.18 \times 10^{10}$	✓ APPROVED
Mean Particle Diameter — NTA	30 – 150 nm	128.3 ± 3.9 nm	✓ APPROVED
Mode Particle Diameter — NTA	30 – 150 nm	95.3 ± 4.3 nm	✓ APPROVED
Sterility (Direct Method, USP <71>)	No Growth	No Growth	✓ APPROVED
Endotoxin (Kinetic Chromogenic LAL, USP <85>)	< 2.5 EU/mL	< 0.05 EU/mL (Spike Recovery: 108%)	✓ APPROVED

Sterile filtered (0.2 µm). QC testing conducted in compliance with cGMP standards. All test results meet specifications outlined above. — Comprehensive Biosciences / Ohio University Research Partner.

## SECTION 03

## Growth Factor Concentration Profile

Independent testing by Ohio University Innovation Center measures the actual biological activity inside every 1 mL vial of WJ+. These are the specific proteins responsible for the regenerative effects associated with stem cell therapy — and they're quantified, not estimated.

GROWTH FACTOR	CONCENTRATION (pg/mL)	CLINICAL RELEVANCE
Interleukin-1 Receptor Antagonist (IL-1RA)	<b>3,850</b>	Anti-inflammatory; modulates immune response
Transforming Growth Factor Beta 1 (TGF-β1)	<b>1,950</b>	Tissue repair, cell differentiation, fibrosis control
Platelet-Derived Growth Factor BB (PDGF-BB)	<b>2,300</b>	Angiogenesis and soft tissue regeneration
Vascular Endothelial Growth Factor (VEGF)	<b>2,225</b>	Critical for new blood vessel formation
Epidermal Growth Factor (EGF)	<b>1,325</b>	Supports epithelial and dermal healing
Fibroblast Growth Factor 2 (FGF-2)	<b>1,490</b>	Stimulates fibroblast proliferation and collagen production

Growth factor concentrations measured at Ohio University Innovation Center, 340 W State St, Athens, OH 45701. Date of Report: February 17, 2026. All concentrations based on a 1 mL sample of WJ+ from Comprehensive Biosciences.

## SECTION 04

## Compliance & Quality Summary

 <p><b>U.S.-Sourced Only</b></p> <p>Umbilical cord tissue ethically sourced in the USA</p>	 <p><b>FDA 21 CFR Part 1271</b></p> <p>All birth tissue requirements met for lot 20A0032</p>	 <p><b>cGMP Manufacturing</b></p> <p>Current Good Manufacturing Practice standards</p>	 <p><b>CLIA-Certified Lab</b></p> <p>Eurofins DPT CLIA ID: 06D0717586</p>	 <p><b>Cold Chain Integrity</b></p> <p>Maintained at -80°C (WJ+) and -20°C (XO)</p>
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*This report is for educational and informational purposes only. Stem cell therapy is not FDA-approved for the diagnosis, treatment, cure, or prevention of any disease or medical condition. Individual results vary. All laboratory results referenced herein are from independent third-party testing and reflect the specific lot number cited. This document does not constitute a medical claim. Always consult a qualified healthcare professional before beginning any treatment.*