

# EXM - Next-Generation Perinatal-Derived Extracellular Matrix

Naturally sourced human tissue in its most natural, original state, just as nature intended.

# Understanding Extracellular Matrix

What is EXM ExtracellularMatrix?

**EXM** is a next-generation **perinatal-derived extracellular matrix** (ECM) product, composed of **naturally sourced human tissue** obtained from the placenta and umbilical cord following **healthy, full-term cesarean births**. These tissues are **not lab-expanded or cloned** 4 meaning they are in their **most natural, original state**, just as nature intended.

Unlike many products that rely on **expanded or manipulated cells**, EXM is composed of **minimally manipulated human cellular and tissue-based products (HCT/Ps)** that retain the **natural cellular signaling environment** found in the postnatal tissues that support human life.

## What's Inside EXM?

### Immunomodulatory Proteins

molecules that help regulate or balance the immune system's response

### Progenitor Cells

Early descendants of stem cells with specialized functions

### Exosomes

Tiny extracellular vesicles rich in signaling molecules

### Growth Factors & Cytokines

Vital for cell communication and tissue regeneration

### Perinatal Platelet-Rich Plasma (PRP)

A nutrient-dense matrix of biologically active factors

These components work together to support a **healthy cellular microenvironment**, much like a coral reef ecosystem<sup>4</sup> diverse, balanced, and naturally regenerative.

# Sourcing, Manufacturing, and Safety Standards

## Sourced from Healthy, Qualified Donors

- Healthy Utah Mothers known for clean lifestyles
- Extensive medical and lifestyle screening 100%
- Chain of Custody collected by trained specialists

**EXM** is derived from **human placental and umbilical tissues** donated by healthy mothers in **Utah**, known for clean lifestyles and low environmental exposure.



Donors go through **extensive medical and lifestyle screening**, including bloodborne pathogen testing, hereditary and environmental risk assessment, full family medical history evaluation, and toxicology screening (alcohol, drugs, tobacco, vaping, medications).

## Manufactured in the USA 3 FDA Compliant



### FDA-Registered Laboratory

Over 20 years of regulatory compliance and six successful FDA audits



### Good Laboratory Practices

Following strict GLP protocols for consistent quality



### Made in USA

Supporting American medical quality

The EXM product is produced in an **FDA-registered and AATB-accredited laboratory** with over **20 years of regulatory compliance and six successful FDA audits**.

The product is classified as a **Section 361 HCT/P**, regulated under **21 CFR Part 1271, Public Health Service Act Section 361**, and **Good Laboratory Practices (GLP)**.

**Important Note:** This product is **not FDA-approved** and is **not intended to diagnose, treat, cure, or prevent any disease or condition**. This has been classified by the company as a 361 HCT/P for homologous use. This information is provided for **educational purposes only**.

## Unmatched Testing & Safety Standards

Test Category	Specific Tests	Standard
Viral Screening	HIV 1/2, Hepatitis B & C, HTLV I/II, CMV, WNV NAT RPR (Syphilis), General bacterial cultures	FDA, AABB
Bacterial Testing	Nucleic Acid Testing (NAT) 14-Day Medical	CLIA, CAP
Advanced Detection	14-Day Quarantine	FDA, CMS
Viability Verification	70% viability rate	AATB, GLP
Donor Screening	history, Lifestyle assessment, Toxicology	FDA 21 CFR Part 1271

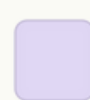
## Cryopreserved with Care



**Natural Cryoprotectant**  
Derived from the tissue's own environment



**Cell Viability**  
Maintains structural integrity



**Exceptional Bioavailability**

Superior to synthetic preservation

# Why EXM is Different: The Complete Cellular Matrix

While most products focus on a **single tissue source**

(like just umbilical cord), **EXM combines multiple postnatal tissues to** creating a **complete and synergistic cellular matrix** that mirrors the **natural healing environment of the womb**.

This **multi-tissue approach** is naturally designed to support:

- Reduced cellular death (apoptosis)
- Longer cell survival
- Optimized signaling between cell types

Think of it like using the **entire coral reef** rather than a single fish for preserving the full biological environment that supports life.



## The Coral Reef Analogy

Just as a coral reef represents a complex, interconnected ecosystem where countless organisms work together in harmony, EXM provides a complete cellular matrix where multiple components interact synergistically. This natural approach preserves the biological complexity that makes regenerative processes so effective.

## Frequently Asked Questions

### What makes EXM different from other products?

While most products focus on a single tissue source (like just umbilical cord or just exosomes), EXM combines multiple postnatal tissues creating a complete and synergistic cellular matrix that mirrors the natural healing environment of the womb.

### Is EXM FDA-approved?

This product is not FDA-approved and is not intended to diagnose, treat, cure, or prevent any disease or condition. It is classified as an HCT/P for homologous use under current federal regulations. The product is produced in an FDA-registered and AATB-accredited laboratory with over 20 years of regulatory compliance and six successful FDA audits.

### How is EXM sourced?

EXM is derived from human placental and umbilical tissues donated by healthy mothers in Utah, known for clean lifestyles and low environmental exposure. Donors go through extensive medical and lifestyle screening, including bloodborne pathogen testing, hereditary and environmental risk assessment, full family medical history evaluation, and toxicology screening.

### What components are in EXM?

EXM includes Progenitor Cells, Exosomes, Growth Factors & Cytokines, and Perinatal Platelet-Rich Plasma (PRP). These components work together to support a healthy cellular microenvironment.

If you're considering regenerative biologics, **EXM offers a unique and FDA-compliant option** that honors nature, safety, and quality.