



# VITTI-PURE VERSUS PRP



COMPARISONS	VITTI-PURE	PRP
Eliminates Blood Draw	YES	NO
Short Patient Wait Time	YES	NO
Young Growth Factors	YES	NO
Doesn't Need Inflammation	YES	NO
True ECM Network	YES	NO
Eliminates PRP Kits	YES	NO
No Expensive Equipment	YES	NO
User Error Eliminated	YES	NO
Consistent Product	YES	NO

## THE DIFFERENCE IS PURE.

VITTI-PURE utilizes umbilical cord tissue to provide a support matrix abundant in young growth factors supporting repair in the patient.

This solution offers rich biological materials and growth factors while bypassing the drawing and spinning of blood, expensive equipment, maintenance and extensive patient waiting times.

This is why we call VITTI-PURE a “No Stick, No Spin, No Doubt” Solution.

## HIGH QUALITY PRODUCTS

20% of every lot is sent for sterility and endotoxin testing by a 3rd party laboratory.



Growth Factor		21 yrs old	37 yrs old	61 yrs old
BMP-5	3772	393	389	246
VITTI-PURE contains 28 different types and 2 sub-types of collagen.				
Collagen I a1	12270	1103	753	96
Collagen III	5601	1128	563	368
Collagen IVa6	4946	2066	1620	1170
Collagen IX	6529	703	363	187
Collagen V	8732	2091	1773	553
Collagen VI	5043	1200	671	437
Collagen X	4848	2178	1155	693
EGF	2397	529	253	236
GDF-15	2752	1139	826	299
ICAM-1	2581	1063	324	149
IGF-1	3248	557	261	151
INTERLEUKINS: Regulatory proteins with the ability to accelerate or inhibit inflammatory processes.				
IL-10	3842	266	155	33
IL-11	2828	1111	610	336
IL-1ra	5157	3021	2394	444
IL-4	3516	624	414	209
PDGF-AA	884	95	51	1
TGF β1	2504	305	175	86
TGF β3	371	103	74	39
TIMP-1	1040	209	162	133
TIMP-2	717	47	42	24
TNF α	1852	170	152	122
TNF β	2597	121	59	57

Over time, the body naturally produces fewer growth factors for repair and rebuilding as represented in the chart (above). This indicates the slowing bio-availability of growth factors as we age which PRP Therapy relies on.

**WARNING: THIS PRODUCT IS NOT FOR INTRAVENOUS USE**

## A “No Stick, No Spin, No Doubt” Solution



## Why do Practices Replace PRP with **VITTI-PURE**?

### A “No Stick, No Spin, No Doubt” Solution

**VITTI-PURE** provides the highest quality tissue support matrix for joints, tendons, ligaments, and other musculoskeletal applications. The umbilical cord tissue is an excellent source of glycosaminoglycans, hyaluronic acid, chondroitin, and glucosamine as well as other naturally occurring biological materials with excellent building blocks like proteins, lipids, nucleic acids, and naturally occurring peptides for structural support and repair.

**VITTI-PURE**'s superior extracellular matrix (ECM) is minimally manipulated, therefore retaining its advanced growth factor profile of over 1,000 growth factors and 28 types of collagen as well as its complex structural support.

With these components **VITTI-PURE** creates an optimal product to encourage the rebuilding and repair of injury sites thus optimizing the body's innate healing potential.

#### **VITTI-PURE: MORE EFFICIENT THAN PRP**

PRP must rely on the body's own available resources to create successful repair to a site of injury. However, as people age, their body no longer carries an abundance of the natural biomaterials that healthy repair needs to take place. Because of this, low innate healing potential occurs which results in poor repair for the body.

#### **VITTI-PURE IS A TRUE ECM**

PRP attempts to mimic an Extracellular Matrix (ECM) but is not truly one as it is made of fibrin, an inflammatory fibrous, non-globular protein. ECM, like the one in **VITTI-PURE**, is a three-dimensional structural network consisting of growth factors known to be anti-inflammatory.

#### **INCREASED PATIENT SUCCESS**

Direct Introduction of Supporting Growth Factors  
True Extracellular Matrix to encourage Rebuilding

#### **VITTI-PURE CONTAINS:**

Hyaluronic Acid	Nanoparticles
Elastins	Proteins
28 Collagen Types	Lipids
2 Collagen Subtypes	Nucleic Acids

#### **THE VITTI-PURE ADVANTAGE**

Consistent Product Vial to Vial  
Doctor & Patient Time Efficiency  
Greater Success by Removing Margin of Error  
Eliminates Blood Draw Costs  
Replaces Expensive Equipment  
Less Inventory & Storage

#### **MANY VARIABLES THAT CAN AFFECT PRP's SUCCESS:**

- Age of Patient
- Type of PRP Kit
- How Many Spins
- Temperature of PRP
- Person Preparing PRP
- Type of Centrifuge
- Activated/Not-Activated
- Patient's Overall Health
- Patient's Medications
- If Patient Exercises Before Draw

**WARNING:**  
**THIS PRODUCT IS NOT FOR INTRAVENOUS USE**

This product may contain live cells but does not claim that it is dependent on the metabolic activity of living cells for its primary function. This product contains tissue components such as hyaluronan, elastin, collagen fibers, growth factors, cytokines, and nanoparticles which stimulate homologous benefits; therefore, it is not reliant on the presence nor on the metabolism of the cells in this product to create a therapeutic benefit. This product does meet the criteria under 1271.3(d) as an HCT/P, and therefore is regulated under 21 CFR 1271 and Section 361 of the PHS Act.



THE DIFFERENCE IS

**PURE**



## EV-PURE+

### Umbilical Cord Tissue Product with natural nanoparticles

DMSO-free tissue support matrix for joints, tendons, soft tissues and ligaments.

### PROCESS - SINGLE GENERATION HARVEST

Vitti Labs believes in finding the highest quality donors and harvesting from the healthiest part of the placenta to always start with unfrozen birth tissue to produce the highest potency possible rather than harvesting from the same tissue for multiple years. Vitti Labs believes that practice compromises biomaterial integrity which in turn provides a low-quality product.

### TESTING AND VALIDATION

20% of every lot manufactured is sent for sterility and endotoxin testing by a 3rd party CLIA Certified laboratory. In addition, Vitti Labs utilizes Tunable Resistive Pulse Sensing (TRPS) for each lot and a biannual Characterization Report produced by external laboratories for transparency and validation.

### REGULATIONS

Vitti Labs implements and maintains quality and regulatory assurance in alignment with FDA (Federal Drug Administration) regulations. Vitti Labs does so by building strict protocols to uphold these requirements. In addition, Vitti Labs performs FDA mock audits three times a year. Vitti Labs is AATB (American Association of Tissue Banking) Accredited, a Certified GMP (Good Manufacturing Guidelines) facility, follow GTP (Good Tissue Practices), and WHO (World Health Organization) protocols and procedures to meet all requirements.

Packaging may be different than illustrated.





THE DIFFERENCE IS

# PURE

## PRODUCT TRACKING

- Go to [vittilabs.com](http://vittilabs.com)
- Select "Product Tracking Form" at the bottom of the website
- Complete Form
- This must be filled out for each vial once used or discarded

## SHIPPING

Stored in  $-80^{\circ}\text{C}$  freezers and shipped on dry ice.

## STORAGE

Keep frozen at  $-20^{\circ}\text{C}$  up to 60 days or  $-80^{\circ}\text{C}$  conditions for two years or until expiration date on shipment label, whichever occurs first.

NOTE: The outside of the vial is not sterile.



## HIGH QUALITY PRODUCTS

20% of every lot manufactured is sent for sterility, endotoxin, and environmental testing by a third-party CLIA Certified laboratory that is a global leader in pharmaceutical, cosmetic, and environmental testing.



IS PROUD TO PRESENT  
HCT/P SOLUTIONS FROM



## PRODUCT OPTIONS:

15 Billion - 1mL  
75 Billion - 4.5mL

This product is intended for use by Medical Professionals only.

## TO ORDER PRODUCTS, CONTACT:



888.508.3967  
[www.extensivemedical.com](http://www.extensivemedical.com)



Packaging may be different than illustrated.



# WJ-PURE+



**WJ-PURE+** is a minimally manipulated DMSO-free Umbilical Cord Tissue Product allograft for homologous use in clinical settings. WJ-PURE+ is a rich tissue support matrix which contains cytokines, growth factors, natural nanoparticles, and proteins. WJ-PURE+ may be used as an allograft to support the mechanical activity of joints, tendons, ligaments and other musculoskeletal applications.

## Tissue support matrix

This product may contain live cells but does not claim that it is dependent on the metabolic activity of living cells for its primary function. This product contains tissue components such as hyaluronan, elastin, collagen fibers, growth factors, cytokines, and nanoparticles which stimulate homologous benefits; therefore, it is not reliant on the presence nor on the metabolism of the cells in this product to create a therapeutic benefit. This product does meet the criteria under 1271.3(d) as an HCT/P, and therefore is regulated under 21 CFR 1271 and Section 361 of the PHS Act.

THE DIFFERENCE IS  
**PURE**

## PROCESS - SINGLE GENERATION HARVEST

Vitti Labs believes in finding the highest quality donors and harvesting from the healthiest part of the placenta to always start with never frozen birth tissue to produce the highest potency possible rather than harvesting from the same tissue for multiple years. Vitti Labs believes that practice compromises biomaterial integrity which in turn provides a low-quality product.

## TESTING AND VALIDATION

20% of every lot manufactured is sent for sterility and endotoxin testing by a 3rd party CLIA Certified laboratory. In addition, Vitti Labs utilizes Tunable Resistive Pulse Sensing (TRPS) for each lot and a biannual Characterization Report produced by external laboratories for transparency and validation.

## REGULATIONS

Vitti Labs implements and maintains quality and regulatory assurance in alignment with FDA (Federal Drug Administration) regulations. Vitti Labs does so by building strict protocols to uphold these requirements. In addition, Vitti Labs performs FDA mock audits three times a year. Vitti Labs is AATB (American Association of Tissue Banking) Accredited and a Certified GMP (Good Manufacturing Guidelines) facility, follow GTP (Good Tissue Practices), and WHO (World Health Organization) protocols and procedures to meet all requirements.



Packaging may be different than illustrated.



## THE DIFFERENCE IS PURE

### PRODUCT TRACKING

- Go to [vittilabs.com](http://vittilabs.com)
- Select "Product Tracking Form" at the bottom of the website
- Complete Form
- This must be filled out for each vial once used or discarded

### SHIPPING

Stored in  $-80^{\circ}\text{C}$  freezers and shipped on dry ice.

### STORAGE

Keep frozen at  $-20^{\circ}\text{C}$  up to 60 days or  $-80^{\circ}\text{C}$  conditions for two years or until expiration date on shipment label, whichever occurs first.

NOTE: The outside of the vial is not sterile.



### HIGH QUALITY PRODUCTS

20% of every lot manufactured is sent for sterility, endotoxin, and environmental testing by a third-party CLIA Certified laboratory that is a global leader in pharmaceutical, cosmetic, and environmental testing.



IS PROUD TO PRESENT  
HCT/P SOLUTIONS FROM



### PRODUCT OPTIONS:

WJ-PURE+ 1mL

This product is intended for use by Medical Professionals only.

### TO ORDER PRODUCTS, CONTACT:



888.508.3967  
[www.extensivemedical.com](http://www.extensivemedical.com)



Packaging may be different than illustrated.



# NS-PURE



## PLACENTAL MATRIX

**NS-PURE** is a topical protective barrier for wound covering. NS-PURE consists of growth factors, nano sized micropods, collagen elastins, hyaluronan, and cytokines from minimally manipulated human placental tissue. NS-PURE is a DMSO-free product.

### Placental Protective Barrier Covering

This product may contain live cells but does not claim that it is dependent on the metabolic activity of living cells for its primary function. This product contains tissue components such as hyaluronan, elastin, collagen fibers, growth factors, cytokines, and nanoparticles which stimulate homologous benefits; therefore, it is not reliant on the presence nor on the metabolism of the cells in this product to create a therapeutic benefit. This product does meet the criteria under 1271.3(d) as an HCT/P, and therefore is regulated under 21 CFR 1271 and Section 361 of the PHS Act.

### PROCESS - SINGLE GENERATION HARVEST

Vitti Labs believes in finding the highest quality donors and harvesting from the healthiest part of the placenta to always start with fresh birth tissue to produce the highest potency possible rather than harvesting from the same group of cells for multiple years. Vitti Labs believes that practice compromises cellular health which in turn provides a low-quality product.

### TESTING AND VALIDATION

20% of every lot manufactured is sent for sterility and endotoxin testing by a 3rd party CLIA Certified laboratory. In addition, Vitti Labs utilizes Tunable Resistive Pulse Sensing (TRPS) for each lot and a biannual Characterization Report produced by external laboratories for transparency and validation.

### REGULATIONS

Vitti Labs implements and maintains quality and regulatory assurance in alignment with FDA (Federal Drug Administration) regulations. Vitti Labs does so by building strict protocols to uphold these requirements. In addition, Vitti Labs performs FDA mock audits three times a year. Vitti Labs is AATB (American Association of Tissue Banking) Accredited, a Certified GMP (Good Manufacturing Guidelines) facility, follow GTP (Good Tissue Practices), and WHO (World Health Organization) protocols and procedures to meet all requirements.



Packaging may be different than illustrated.



## THE DIFFERENCE IS PURE

### PRODUCT TRACKING

- Go to [vittilabs.com](http://vittilabs.com)
- Select "Product Tracking Form" at the bottom of the website
- Complete Form
- This must be filled out for each vial once used or discarded

### SHIPPING

Stored in  $-80^{\circ}\text{C}$  freezers and shipped on dry ice.

### STORAGE

Keep frozen at  $-20^{\circ}\text{C}$  up to 60 days or  $-80^{\circ}\text{C}$  conditions for two years or expiration date on label, whichever occurs first.

NOTE: The outside of the vial is not sterile.



### HIGH QUALITY PRODUCTS

20% of every lot manufactured is sent for sterility, endotoxin, and environmental testing by a third-party CLIA Certified laboratory that is a global leader in pharmaceutical, cosmetic, and environmental testing.



IS PROUD TO PRESENT  
HCT/P SOLUTIONS FROM



### PRODUCT OPTIONS:

NS-PURE 1.5mL  
NS-PURE 4.5mL

This product is intended for use by Medical Professionals only.

### TO ORDER PRODUCTS, CONTACT:



888.508.3967  
[www.extensivemedical.com](http://www.extensivemedical.com)



Packaging may be different than illustrated.





# EV-OPTI



THE DIFFERENCE IS  
**PURE**



PROTECTIVE COVERING EYE DROPS

## PROTECTIVE BARRIER EYE DROPS

**EV-OPTI DROPS** is a DMSO-free, minimally manipulated, bio-ethical human placenta harvested product manufactured under the AATB and FDA HCT/P 361 guidelines. EV-OPTI DROPS are eye drops that offer a protective covering against external environments.

### Placental Protective Barrier Covering

This product may contain live cells but does not claim that it is dependent on the metabolic activity of living cells for its primary function. This product contains tissue components such as hyaluronan, elastin, collagen fibers, growth factors, cytokines, and nanoparticles which stimulate homologous benefits; therefore, it is not reliant on the presence nor on the metabolism of the cells in this product to create a therapeutic benefit. This product does meet the criteria under 1271.3(d) as an HCT/P, and therefore is regulated under 21 CFR 1271 and Section 361 of the PHS Act.

### PROCESS - SINGLE GENERATION HARVEST

Vitti Labs believes in finding the highest quality donors and harvesting from the healthiest part of the placenta to always start with new, unfrozen birth tissue to produce the highest potency possible rather than harvesting from the same tissue for multiple years. Vitti Labs believes that practice compromises biomaterial integrity which in turn provides a low-quality product.

### TESTING AND VALIDATION

20% of every lot manufactured is sent for sterility and endotoxin testing by a 3rd party CLIA Certified laboratory. In addition, Vitti Labs utilizes Tunable Resistive Pulse Sensing (TRPS) for each lot and a biannual Characterization Report produced by external laboratories for transparency and validation.

### REGULATIONS

Vitti Labs implements and maintains quality and regulatory assurance in alignment with FDA (Federal Drug Administration) regulations. Vitti Labs does so by building strict protocols to uphold these requirements. In addition, Vitti Labs performs FDA mock audits three times a year. Vitti Labs is AATB (American Association of Tissue Banking) Accredited, a Certified GMP (Good Manufacturing Guidelines) facility, and follow GTP (Good Tissue Practices) and WHO (World Health Organization) protocols and procedures

Packaging may be different than illustrated.





## THE DIFFERENCE IS PURE

### PRODUCT TRACKING

- Go to [vittilabs.com](http://vittilabs.com)
- Select "Product Tracking Form" at the bottom of the website
- Complete Form
- This must be filled out for each vial once used or discarded

### SHIPPING

Stored in  $-80^{\circ}\text{C}$  freezers and shipped on dry ice.

### STORAGE

Keep frozen at  $-20^{\circ}\text{C}$  up to 60 days or  $-80^{\circ}\text{C}$  conditions for two years or until expiration date on shipment label, whichever occurs first.

NOTE: The outside of the vial is not sterile.



### HIGH QUALITY PRODUCTS

20% of every lot manufactured is sent for sterility, endotoxin, and environmental testing by a third-party CLIA Certified laboratory that is a global leader in pharmaceutical, cosmetic, and environmental testing.



IS PROUD TO PRESENT  
HCT/P SOLUTIONS FROM



### PRODUCT OPTIONS:

EV-OPTI 0.25mL  
90 vials  
5 pipettes

This product is intended for use by Medical Professionals only.

### TO ORDER PRODUCTS, CONTACT:



888.508.3967  
[www.extensivemedical.com](http://www.extensivemedical.com)



Packaging may be different than illustrated.