EXOMIDE

EXOMIDE™

FREQUENTLY ASKED QUESTIONS

XYTIDE

Exosomes

WHAT ARE EXOSOMES?

Exosomes are small nano-sized vesicles that are produced and released by cells in the body.

Exosomes contain a variety of molecules including proteins, RNA (ribonucleic acid), lipids (fats) and other bioactive substances. The contents of exosomes vary depending on the type of cell they were derived from.

WHAT IS THE FUNCTION OF AN EXOSOME?

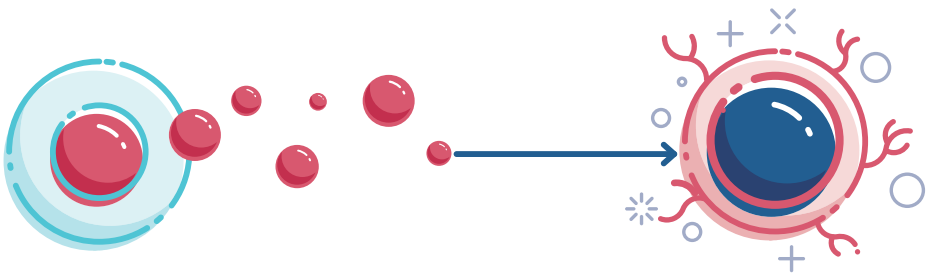
Once exosomes are secreted or pushed outside a cell they play a crucial role in cell-to-cell communication with the ability to transfer information and change the behaviour of neighbouring cells.

It is important to note that exosomes are not cells themselves; they are small vesicles released by cells and are incapable of reproduction. Their main function is to influence other cells and this characteristic gives them a favourable safety profile.

ARE EXOSOMES STEM CELLS?

No. Exosomes are secreted/ pushed out of cells in the body, they cannot replicate or transform because they are cell-free and DNA free.

As the surfaces of exosomes do not contain any immune markers, they are unlikely to be rejected by the body.



Exomide™

WHAT ARE THE INGREDIENTS OF EXOMIDE™ SKIN AND SCALP?

	SKIN REJUVENATION	SCALP REJUVENATION
	Exosome 5 billion	**Exosome 10 billion**
Exosomes	5 Billion	10 Billion
Growth Factors	EGF, VEGF, HGF, bFGF, TGF-ß1, KGF and PDGF	EGF, VEGF, HGF, bFGF, TGF-ß1, KGF and PDGF
Amino Acids 17 Types	Lysine, phenylalanine, valine, leucine, isoleucine, threonine, methionine, histidine, arginine, glycine, serine, proline, tyrosine, cysteine, alanine, aspartic acid, glutamic acid	Lysine, phenylalanine, valine, leucine, isoleucine, threonine, methionine, histidine, arginine, glycine, serine, proline, tyrosine, cysteine, alanine, aspartic acid, glutamic acid
Peptides 6 Types	palmitoyl pentapeptide-4, palmitoyl tripeptide-1, hexapeptide-9, acetyl hexapeptide-8, tripeptide-1, copper tripeptide-1	palmitoyl pentapeptide-4, palmitoyl tripeptide-1, hexapeptide-9, acetyl hexapeptide-8, tripeptide-1, copper tripeptide-1
Hyaluronic Acid 8 Types	Sodium Hyaluronate, Sodium Acetylated Hyaluronate, Hydrolyzed Hyaluronic Acid, Hydroxypropyltrimonium Hyaluronate, Sodium Hyaluronate Crosspolymer, Hyaluronic Acid, Potassium Hyaluronate, Hydrolyzed Sodium Hyaluronate	*No hyaluronic acid in Exomide Scalp*
Additional Ingredients	• Niacinamide • Glutathione	• Pine needle, cypress leaf, arborvitae leaf, and ginkgo leaf extracts • Ecklonia Cava Extract

WHAT IS THE DIFFERENCE BETWEEN SKIN AND SCALP EXOMIDE™ PRODUCTS?

The main difference between products are the ingredients. Growth factors, amino acids and peptides are the same.

The below highlights the main differences:

- Exosome count
- Hyaluronic acid
- Additional ingredients

	SKIN REJUVENATION	SCALP REJUVENATION
Exosomes	5 Billion	10 Billion
Hyaluronic Acid	Hyaluronate, Hydrolyzed Hyaluronic Acid, Hydroxypropyltrimonium Hyaluronate, Sodium Hyaluronate Crosspolymer, Hyaluronic Acid, Potassium Hyaluronate, Hydrolyzed Sodium Hyaluronate	*No hyaluronic acid in Exomide Scalp*
Additional Ingredients	• Niacinamide • Glutathione	• Pine needle, cypress leaf, arborvitae leaf, and ginkgo leaf extracts • Ecklonia Cava Extract

SKIN REJUVENATION	SCALP REJUVENATION
Reduce fine lines and wrinkles	Restore and strengthen hair follicles
Improve skin texture and pore size	Stimulate hair growth
Reduce pigmentation	Improve scalp health
Encourage wound healing	Increase hair density and thickness

IS EXOMIDE™ A STEM-CELL TREATMENT / ARE THEY STEM-CELLS?

No. Exomide are exosomes which are secreted by cells in the body (they are not cells).

Therefore, they cannot replicate or transform because they are cell-free and DNA free.

As the surfaces of exosomes do not contain any immune markers they are unlikely to be rejected by the body.

WHAT TYPE OF EXOSOMES ARE IN EXOMIDE™?

Exosomes from human adipose tissue.

They are cell-free and DNA free (exosomes are not cells).

WHAT IS THE SHELF LIFE OF EXOMIDE™?

3 Years.

HOW LONG HAS EXOMIDE™ BEEN IN MARKET?

Exomide™ has been on the market since 2020.

WHAT IS EXOMIDE™ FREE FROM?

- Paraben Free
- Silicone Free
- Hydroquinone Free
- Retinol Free (Vitamin A)
- Formaldehyde Free
- Isoflavones Free
- Aromatic Oils (Essential Oils) Free
- Arbutin Free

CAN YOU USE EXOMIDE™ IF YOU ARE PREGNANT OR BREASTFEEDING?

It is up to the treating practitioner if they are comfortable using Exomide for individuals pregnant or breastfeeding.

Exomide has been tested and approved by the Korean Dermatology Research Institute for pregnancy and breastfeeding safety.

WHAT IS THE MANUFACTURING PROCESS?

For more information on Exomide manufacturing please request the Manufacturing document from your Xytide Business Development Manager.

As an overview Exomide goes through the following production process:
1. Stem Cell Collection
2. Purification
3. Filtration
4. Exosome Raw Material Production
5. Exomide Final Product

QUALITY CONTROL

Below is an overview of the quality control and testing that occurs with Exomide.

- Donor Screening
- Donor Testing (See below for what this involves)
- Stromal vascular fraction compatibility test before freezing (measure number of viable cells, sterility test, virus negative test, mycoplasma negative test
- Stromal vascular fraction conformance test (measure number of viable cells, cell morphology verification test, purty test, verification test
- Working Cell Bank (WCB) suitability test before freezing (measure number of viable cells sterility test, virus negative test, mycoplasma negative test)
- WCB suitability test after thawing - measure number of viable exosomes
- Finished product test:
  - Appearance Test
  - PH Test
  - Verification Test
  - Purity Test
  - Sterility Test
  - Mycoplasma Negative Test
  - Virus Negative Test
  - NTA Analysis

WHAT IS THE TIME BETWEEN EXTRACTION AND ADMINISTRATION INTO AMPOULE?

7.5 Months in total.

WHAT IS THE STEM-CELL SOURCE TESTED FOR?

Assessment for stem cell eligibility includes: Liver and duct disease testing, Hepatitis testing, kidney disease testing, Diabetes testing, Blood testing, Blood coagulation testing, Inflammatory disease testing, sexually transmitted disease testing, Virus scan, Microbiological testing.

Virus Testing: HAV, HBV, HCV, HIV, HTLV. Parvo B19, CMV, EBV.

Additional: Syphilis treponema, chlamydia trachomatis, Neisseria gonorrhoeae, tuberculosis, infectious spongiform encephalopathy, congenital/chronic disease.

Exomide™ Application

HOW CAN YOU USE EXOMIDE™?

Topical Application: Exosomes can be applied directly onto to the skin's surface. The exosomes are gently massaged into the skin, allowing them to penetrate and communicate with the cells in the epidermis and dermis.

Micro-needling: The combined use of micro-needling and exosomes facilitates the direct delivery of active ingredients beneath the epidermis. This process significantly enhances the skin's capacity to absorb active substances while minimizing the loss or wastage of these valuable components by opening channels in the skin barrier.

Energy-Based Devices: The combination of exosomes with energy-based devices like lasers, radiofrequency, and ultrasound can enhance treatment outcomes by promoting tissue repair, collagen production, and overall skin rejuvenation.

IS INTRADERMAL APPLICATION ON-LABEL?

No. Exomide a cosmeceutical product intended for topical use.

Intradermal application of Exomide is off-label. Any information requests regarding off-label application must be sent to Xytide Med Info. e: medinfo@xytide.com.au

CAN I USE EXOMIDE™ SCALP PRODUCT ON SKIN?

As the ingredients in Exomide Scalp are designed to promote hair follicle growth and stimulation it is not recommended for use on the skin.

You can use Exomide Scalp to support eyebrow hair growth.

WILL EXOMIDE™ SCALP WORK ANYWHERE FOR HAIR GROWTH?

Yes, however there must be hair follicles present for Exomide scalp to work.

WHAT OTHER TREATMENT MODALITIES CAN EXOMIDE™ BE USED WITH?

Exomide can be applied topically after other treatments such as:

- Co2 Laser
- RF Microneedling
- Intense Pulsed Light
- LED Light Treatments
- Injectables
- Threads

HOW MANY TREATMENTS, DO YOU NEED?

SKIN REJUVENATION	SCALP REJUVENATION
• 3-5 treatment sessions • Every 3-4 weeks • Maintenance treatment every 3-6 months	• 4 treatment sessions • Every 2 weeks • Maintenance treatment every 3-6 months

ARE THERE ANY CONTRAINDICATIONS?

- Patient is systemically unwell
- Has a history of severe allergies
- Currently has an active skin infection, cold sores, sunburn, eczema, psoriasis or a healing wound
- Is hypersensitive to ingredients including hyaluronic acid, lidocaine, amide-type local anaesthetics and strep type-A gram-positive bacterial proteins

ARE THERE ANY RISKS ASSOCIATED WITH EXOMIDE™?

The following limited risks relate directly to the use of exosomes as a form of topical cosmetic treatment. After the treatment heat, bruising, swelling and redness may occur. This is temporary and relieves within a few days. Other less common side effects may include tenderness, raised bumps under the skin, allergic reaction, itching or a mild rash.

Safety & Regulatory

IS EXOMIDE™ TGA OR FDA APPROVED?

Exomide is a cosmeceutical product intended for topical use therefore does not require TGA approval. Similar to the use and application of skincare products.

SAFETY PROFILE

Exosomes have a favourable safety profile as they cannot replicate or transform because they are cell-free and DNA free. The surfaces of exosomes do not contain any immune markers therefore they are unlikely to be rejected by the body.

Adipose-derived exosomes are considered safe for use as a topical treatment, with no adverse effects in toxicological testing, and have potential application as a therapeutic agent and cosmetic ingredient.

Reference: Dae Hyun Ha, et al. Toxicological evaluation of exosomes derived from human adipose tissue-derived mesenchymal stem/stromal cells. Regulatory Toxicology and Pharmacology, Volume 115, 2020,

ARE THERE ANY CLINIC PAPERS ON EXOMIDE™?

There is a plethora of research, studies and papers on Exosomes and even on Human-Adipose Tissue exosomes (the exosomes used in Exomide) and we are more than happy to share these with you.

It's worth noting that clinical papers and data process from concept through to publication can take several years. As Exomide is a cosmeceutical, with sufficient studies done on human-adipose tissue exosomes there has not been the demand for Exomide / product specific studies.

Exomide™ in the Clinic

HOW CAN I PROMOTE EXOMIDE™ IN MY CLINIC?

Please contact your Xytide Business Development Manager for the Exomide Marketing Kit.

HOW DO I EXPLAIN WHAT EXOMIDE™ IS TO MY CUSTOMERS?

Please contact your Xytide Business Development Manager for the Exomide Marketing Kit.

DOES XYTIDE PROVIDE EXOMIDE™ TRAININGS?

Xytide has several video resources available. If you would like in-person training please contact your Xytide Business Development Manager.

DO YOU HAVE AN EXOMIDE™ CONSENT FORM?

Yes. Please request a copy through your Xytide Business Development Manager.

RECOMMENDED CLINIC PRICING PER TREATMENT

Similar pricing to dermal filler.

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