

Inspired
Functional
Ingredients to
Innovate and
Differentiate
your brand

VISION

Ecovatec produces inspired functional ingredients to innovate and differentiate your brand



MISSION

Engage in the global community to empower people to flourish by unleashing the high quality, naturally derived, bioactive ingredients stored in egg yolk

CONTRIBUTION

We believe in passion, profitability, communication, accountability, growth, and exceptionality

HDL

Worldwide Heart Health

Over 300 Million Chinese¹

& Over 109 Million Americans² suffer from high cholesterol

- Are at risk of Cardiovascular Disease (CVD)
- Are taking or have been suggested to take statin drugs³

• Why?



HDL

The Problem

The Solution

Heart disease accounts for **31%** of global deaths⁴

Statins are prescribed to lower LDL, but have major side effects such as blocking the heart's response to exercise⁵. They also don't target the effectiveness of the cholesterol transport system as a whole. This leads to a marginal effect on CVD mortality⁶.

Increasing number and quality of HDL is an effective method of reducing risk of CVD but it is difficult to accomplish.

Ecovatec has created a novel technology to naturally separate HDL from egg yolk. This allows you to eat more of the good component of egg yolk without all the bad cholesterol normally found in eggs.

Consuming egg HDL has been shown to improve overall cholesterol levels, increase the number and quality of HDL, and reduce LDL⁷.

This supports overall heart health!

High Cholesterol – A Market Opportunity











Disrupt the statin market, \$19.2 bn in 2017 and growing. 70% of adults in US suffer from high LDL cholesterol.⁸



Enter the heart health supplement market, expected to reach \$29 bn by 2026.9



Meets consumer preferences for natural methods of lowering cholesterol without harmful side effects.



Enter the protein supplement market, valued at \$12.4 bn in 2016, growing at CAGR 6.3%. 10



Egg white protein powder market is growing rapidly at a 31.2% CAGR. Expected to reach \$78 m market by 2025. 11



Perfectly
positioned for
the growing
keto trend – full
of protein and
healthy fat with
0 carbs

Market Dynamics

There are tons of heart health supplements out there, so why is the market growing? What makes our product different?

Current supplements claim to lower triglycerides or LDL, but most don't work. Often the active ingredient isn't stable over time or is not well absorbed. Sometimes they do work, but they only work on the number of LDL particles, which is insufficient to reduce risk of cardiovascular disease.

Egg Yolk HDL is unique in that it **increases** HDL, reduces the **oxidation** of LDL (make them less bad for your arteries), AND reduces the **number** of LDL and triglycerides in the blood.^{7,12,13,14}

It is also incredibly stable over time and starts to show amazing effects within 2 months!



Products

EcovaPure™ HDL



Ingredient to add to your nutraceutical or functional food product.

US \$100/kg
Capacity 35,000 kg/year
US \$3.5 million/year with
65% margin
1 kg = 500 eggs HDL
Only manufacturer!

Target market: nutraceutical and functional food companies

Vitellus HDLevate ™



A convenient, heart-healthy nutrition supplement.

US \$50/bottle

3 capsule serving = 1 egg yolk's

HDL

Only the good cholesterol!

Impressive initial results!

Target market: Middle-Aged Adults, Aging Population, Diabetics, People with genetically high cholesterol

Vitellus China EcovaPure™ HDL



A convenient, heart-healthy nutrition supplement.

1,518 RMB/package

2g x 90 tube package

2g = 1 egg yolk

Convenient, portable selfemulsifying powder can be added to drinks or food!

Target market:
distributors and retailers in China

HDL+ Protein Powders



A hi-tech complete meal, sports, or general nutrition supplement.

US \$150/30 servings 30 g serving:

3 eggs HDL 21g egg white protein 310/230 mg EPA/DHA

Keto friendly!

Heart Healthy HDL

Highly bioavailable omega 3 and antioxidants!

Target market: Athletes/ Active Adults, Keto/Paleo, Diabetics

Initial Customer Results

Patient X – Large Size

Month 1 = 9 pills/day

Month 2 = 6 pills/day

Month 3-4 = 3 pills/day

- Total Cholesterol 25% ↓
- LDL C. back within testing ↓
- HDL C. 8.5% **↑**
- Risk Ratio 31% ↓
- Non-HDL C. 31% ↓
- Triglycerides 62%

Patient Y – Medium Size

Month 1 = 6 pills/day

Month 2 = 3 pills/day

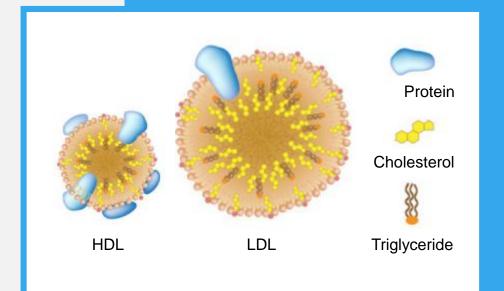
- Total Cholesterol 34% ↓
- LDL C. 40% ↓
- HDL C. 8% **↑**
- Risk Ratio 38% ↓
- Non-HDL C. 40% **↓**
- Triglycerides 38%



Science Background

High Density Lipoprotein and How they Work¹⁵

- HDL (High-Density Lipoproteins), the "good cholesterol", remove cholesterol and Low-Density Lipoproteins (LDLs) from the blood and artery walls, preventing a buildup of "plaque".
- "Plaque" buildup restricts blood flow in arteries, causing high blood pressure. Sometimes it completely close off smaller blood vessels, leading to heart attacks or strokes.
- HDL is anti-inflammatory, which increases blood flow and prevents particles from sticking to the artery walls.
- Studies show that increasing HDL levels reduces risk of heart attack, stroke, and peripheral artery disease









Egg Yolk HDL

- Both LDLs and HDLs are found in egg yolk. This is why
 egg yolks are thought to be "high in cholesterol". Ecovatec
 removes the "bad cholesterol" (LDLs) and leave in the
 good HDLs.
- HDL from egg yolk has been shown to: 7,12,13,14
 - Improve cholesterol breakdown in body
 - Reduce overall cholesterol score
 - Stimulate natural HDL production
 - Reduce inflammation in arteries
 - Improve insulin effectiveness & reduce blood insulin levels
 - Support overall heart health
 - Improve the size distribution of blood HDL and LDL
- AND it contains antioxidants lutein and zeaxanthin!

MyCelleProTM

Why Is Microencapsulation on Trend in Nutraceuticals?



- IMPROVES BIOAVAILABILITY OF CORE INGREDIENTS
- Changes liquids into free-flowing solids (powders)
- Protects core materials from heat, moisture, air and light
- Masks the unpleasant taste/smell of core materials
- Extends the stability of sensitive core materials
- Improves compatibility between different materials within the same microcapsule
- Hinders the transfer rate or evaporation of core materials to the external environment
- Controls the release rate of core materials

MyCelleProTM The Problem The Solution

Many nutraceutical ingredients are not available to the body. For example only 8-10% of CBD taken orally is available for use in the blood¹. <1% of curcumin is absorbed naturally as well. Lutein, astaxanthin, and other antioxidants have the same problem.

Other ingredients are difficult to work with due to fast oxidation and rancidity, such as fish oil.

Current microencapsulation technology use starches, whey protein, soy lecithin, or synthetic compounds – all of which have problems as microencapsulation materials.

Ecovatec has carefully isolated a novel microencapsulation material from egg yolk called MyCelleProTM. It has been shown to effectively encapsulate many active ingredients and can be loaded up to 40-60%.

MyCelleProTM technology is natural, non-GMO, soy-free, clean label, heat stable, easy to work with, and comes in a powder form. Unlike most traditional microencapsulation technologies, you only need one ingredient to make the microencapsulation stable and bioavailable.

Microencapsulation – Market Opportunity

Specific Markets:

Omega 3 – 57.06 bn by 2025, 6% CAGR ³ CBD Oil – 2.1 bn by 2020 ⁴, 31% CAGR ⁵ Curcumin – 130 m by 2025, 13% CAGR ⁶ Coenzyme Q10 – 817m by 2022, 9.86% CAGR ⁷ Lutein – 357.7m by 2022, 6% CAGR ⁸ Astaxanthin – 555m in 2016 ⁹, 4.8% CAGR ¹⁰

Easier to work with than many traditional methods, makes many active ingredients easier to formulate into supplements Perfectly
positioned for the
growing keto trend
– technology
consists of healthy
fats and proteins,
not carbs













The global microencapsulation market is expected to reach US 19.34 bn by 2025 with a CAGR of 13.6%.²

Meets consumer preferences for natural, clean, non-GMO ingredient labels Patent pending technology with strong encapsulation ability up to 60% loading, increases bioavailability, masks taste/odor of actives, heat stable, powder form, and can increase shelf life stability.

Market Dynamics

There are tons of supplements out there, so in order to differentiate themselves, more products are looking at the bioavailability of their active ingredients. Simply stated, bioavailability is the amount of an ingredient that can be taken up and used by the body. So what makes our technology different?

Current microencapsulation technology use starches, whey protein, soy lecithin, or synthetic compounds – all of which have problems as microencapsulation materials. Some aren't clean label, some don't improve bioavailability at all, some must exist in liquid form and can't be applied to fortified foods. Many only load up to 30-35%.

Ecovatec's MyCellePro™ technology exists naturally in eggs, takes only 1 ingredient, is clean-label, improves bioavailability, has higher loading capacities, can exist in powder form, and can be easily incorporated into health foods and beverages. It is basically, a one-stop-shop!



Product Applications

CBD Supplement



Challenges: Oral bioavailability of CBD has been estimated at between 9-13%, can be improved 3-4x with microencapsulation

Market:

USD 2.1 bn by 2020⁴, CAGR 31% (until 2022) ⁵

Soluble powder needed for beverage, baking, supplement applications

Currently very few competitors

Target market: Age 35-64; Educated; Pain management, Insomnia, Depression, Anxiety

Curcumin Supplement



Challenges: insoluble in water, hard to absorb, is rapidly metabolized, and rapidly eliminated from the body

Market:

USD 130 m by 2025, CAGR 13.3%⁶
23 million in North America
Consumers know importance of bioavailability

Current tech: soy, synthetics, starch, cellulose

Target market: Middle-Aged Adults, Aging Population, Alzheimer's prevention, heart disease, cancer, arthritis, depression

Omega 3 Supplement



Challenges: goes rancid quickly, aftertaste, hard to formulate with oil (few powder versions available), need emulsifier if adding to food/smoothies.

Market:

USD 57.06 bn by 2025, CAGR 6.0%³

Microencapsulation trend just starting, very few successfully microencapsulate fish oil.

Target market:

All ages (child through elderly), dementia prevention, heart disease, healthy development, arthritis, depression

Vitamin A, D, E, K Supplements



Challenges: insoluble in water, hard to absorb.

Necessary for many biological functions – bone health, immune system, cell growth, etc.

Market:

USD 81 bn by 2025, 6.6% CAGR¹¹

Vitamin D alone – 1.7 bn by 2025, fastest growth¹²

Target market: All ages (child through elderly), dementia prevention, heart disease, healthy development, arthritis, depression

Sample Formulations

Brain Lecithin™ (Capsules); Price: 80 CAD

- A 1 sachet or 3 pill serving of MyCellePro[™]
 Brain Formula contains omega-3 fatty acids and ginko biloba microencapsulated in egg yolk isolate micelles full of choline.
- Health Claims:
 - Helps to enhance cognitive function in adults
 - Helps to enhance memory in adults
 - Helps to support peripheral circulation
 - Helps to support liver function



Liver Lecithin™ (Capsules); Price: 80 CAD

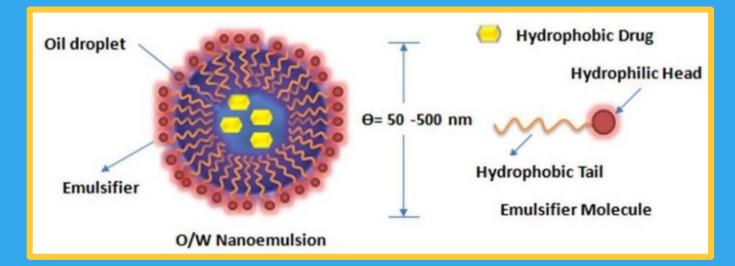
- A 1 sachet or 3 pill serving of MyCellePro™
 Liver Formula contains omega-3 fatty acids and
 milk thistle microencapsulated in egg yolk isolate
 micelles full of choline.
- Health Claims:
 - Traditionally used in Herbal Medicine as a) hepatoprotectant/ liver protectant
 - Used in Herbal Medicine to help relieve digestive disturbances/dyspepsia
 - Helps support cognitive health and/or brain function
 - Helps to support liver function

Microencapsulation Science

- Many ingredients that would be helpful to our health are not "water-soluble". They are fat-soluble, meaning that they are NOT easily absorbed from the water-based intestinal fluid.
- Your body releases bile salts into the intestine in order to create microemulsions when fats are ingested. This allows *some* of the fat-soluble products to be absorbed.
- Microemulsions = oil droplets in water that are surrounded by "surfactants" that stabilize them.
- Microemulsions can be dried into a powder while keeping the small "droplet size", creating microencapsulation.
- Fat-soluble active ingredients such as CBD, curcumin, omega-3s, astaxanthin, biotin, and fat soluble vitamins A,D,E,K etc. can be dissolved into the oil, which is then microencapsulated.

This way, bile salts aren't needed, and the process is more efficient at absorbing *more* of the active

ingredient.



MyCelleProTM - Skin Applications

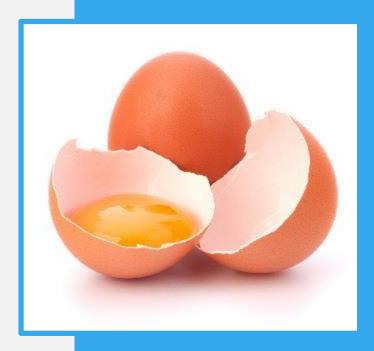
Component of MyCellePro™	% of Total	Skin Effect ^{13, 14}
Phospholipids	> 20%	 Skin barrier repair Anti-inflammatory Permeability enhancer
Omega 9 Fatty Acid (Oleic Acid)	37.6%	 It disrupts the skin barrier to increase permeability, allowing fatty acids to moisturize deeper into the skin Induced faster wound closure compared to Omega 3 and 6 fatty acids Activates regeneration of the lipid barrier Reduces inflammation Excellent for skin softening and moisturizing
Omega 6 Fatty Acid (Linoleic Acid, Derivatives)	11.3%	 Reinforces the skin barrier, excellent when paired with oelic acid which disrupts the skin barrier. The combination allows the lipids to penetrate deep into the skin, but then re-seal itself keeping the moisture in and protecting the skin. Anti-inflammatory It tricks skin into producing less oil as it is a component of skin oil Clears blocked pores and prevents acne Used in the structure of cell membranes May help with treatment of atopic eczema
Cholesterol	1.8%	 Helps skin regain elasticity and plumpness Reinforces skin barrier and replaces lipid protection layer (which decreases with age) Excellent for sensitive and dry skin
Omega 3 Fatty Acid (DHA, EPA)	0.5%	 Treats and prevents skin problems such as psoriasis and acne Natural sunscreen properties Decreases melanin synthesis Stimulates the healing process
Antioxidants	<0.1%	- Reduces oxidative stress that leads to ageing (anti-ageing effects)



MyCelleProTM

US\$100 per kg; plant capacity 57,000 kg annually \$5.7 million per year with >50% margin

- Egg yolks naturally contain microemulsions in the form of very small (~50nm) "micelles".
- These are oil droplets coated in phospholipids, cholesterol with proteins attached for added stability.
- Ecovatec has naturally isolated these micelles in "MyCellePro™"
- Proven capability to add active ingredients into the micelles which can then be dried into a powder.
- Loading of 40% 60% is possible.

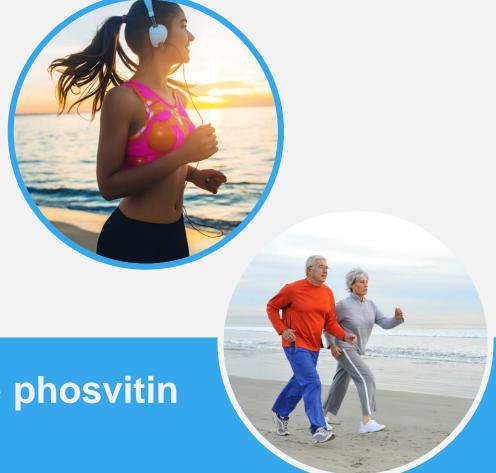




Phosvitin

What if we could disrupt the \$10bn iron and calcium supplement markets?

Breakthrough technology to manufacture **phosvitin** protein



Phosvitin

The Problem

The Solution

Current **iron supplements** have major side effects such as: constipation, stomach pain, nausea and vomiting. This is due to the **oxidative stress** caused by un-absorbed iron as it passes through the digestive tract and results because the body can't absorb the iron¹. Even "chelated" iron has low absorptivity.²

Current **calcium supplements** work to increase blood calcium. That is, the calcium is absorbed. However, this increased blood calcium doesn't translate into increased bone density and can lead to calcification in the arteries.³

Current **eczema treatments** have major side effects, cannot be taken long term for a variety of reasons, or are not effective.

Scientists have been studying **phosvitin protein** for years, but have been unable isolate it on a commercial scale. ⁴⁻¹¹ The global research community has published extensively on the applications of phosvitin peptides for **increasing iron and calcium absorption** among other bioactive capabilities, such as reducing inflammation and excessive cell growth in skin conditions such as **eczema and psoriasis**. ⁴⁻¹¹

Ecovatec is the first company to extract phosvitin peptides on a commercial scale, using green technology to ensure the bioactivity remains intact.

Market Opportunity

Iron Supplement
Calcium Supplement
Atopic Dermatitis/Eczema



Iron Supplement Market retail – US\$ 3.023 Bn Projected at US\$ 6.354 Bn by 2025.¹²



Current scientific market pricing for Phosvitin is over \$3M USD/kg.¹³ At Ecovatec pricing of \$40k USD/kg the plant capacity of 1,600 kg per year translates into \$64M in potential revenue.



Meets consumer preferences for natural, clean, non-GMO ingredient labels



The Calcium Market retail – US\$ 6.9 Bn (5% CAGR).¹⁴

75% of adult Americans are calcium deficient. Currently, no supplements increase bone density.³



retail – US\$6.4 Bn

(6.6% CAGR by

2022)16

Phosvitin peptides
have also been
shown to improve
eczema symptoms¹⁵,
which affects 10% of
people at some point
in their lives.
Eczema Market



Our process for creating phosvitin peptides is patent-pending!

* Currency in \$USD

Product Applications

Calcium Supplement



Challenges: increased blood calcium isn't able to increase bone density and can lead to calcification in the arteries.

Phosvitin peptides will provide bone density increases rather than just increasing blood calcium.8

Target market: Post-Menopausal women; Aging Population, Children

Iron Supplement



Challenges: major side effects such as: constipation, dark stools, stomach pain, nausea and vomiting.

Reduced iron quantity
Increase absorption rates
Reduced digestive side effects

Target market: Women (& Pregnant Women); Athletes/Active Adults

Eczema Cream



Challenges: current treatments are not effective and have huge side effects and they can't be taken long term.

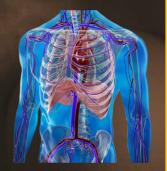
Phosvitin creams have been tested on eczema with good results and can be taken indefinitely, with no harmful side effects.¹⁵

Target market: Children through Adults suffering from eczema and/or atopic dermatitis

Sample Formulations

Iron Supplement™; Price: 30 CAD

- Iron-phosvitin peptide chelate product using ferrous sulfate.
- Health Claims: Helps to...
 - form red blood cells and helps in their proper function
 - prevent iron deficiency (anemia) and associated tiredness and fatigue



Calcium Supplement™; Price: 50 CAD

- Calcium-phosvitin peptide chelate product using calcium carbonate
- Health Claims:
 - Helps in the development and maintenance of bones and teeth
 - As part of a healthy diet (when taken with Vitamin D) may help prevent bone loss/osteoporosis
 - Helps support bone health.



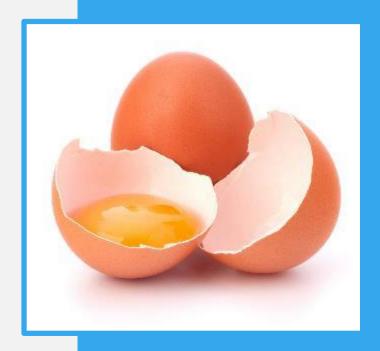


Phosvitin Science

Global research community → hundreds published papers

Phosvitin (PV) and Phosvitin Peptides (PVP): 4-11,15

- Increase iron absorption
- Increase calcium absorption and transformation to bone mineral
- Excellent anti-oxidants
- Exhibit anti-bacterial, anti-viral, and toxinneutralizing behaviours including killing the bacteria causing sepsis, and
- Cytotoxic to liver, cervical, lung, stomach, breast and larynx cancer cells, in vitro





Breakthrough Technology











Liquid Egg Yolk

Pure Water

Green Separation High Value Bioactive Proteins

Typical Processor









Powdered Egg Yolk Harsh Solvents High Pressure/
Temperature
Solvent Extraction

Low Value Denatured Proteins

Competitive Advantage

Not only does Ecovatec use patent-pending breakthrough technology to isolate bioactive egg components with greater purity and efficiency than competitors, we are also the **only producers of these novel products.**

High Density Lipoprotein (HDL) – patent pending heart healthy ingredient Phosvitin Peptides (PV & PVP) – patent pending bioactive proteins MyCellePro – patent pending nano/micro encapsulation technology ingredient Emulsova – patent pending food grade emulsifier and lecithin supplement

Achievements to Date

12,000-square-foot stateof-the-art pharmaceuticalgrade processing plant located in Abbotsford, B.C. US Distributor - investment in ESI with agreement to fund and perform clinical trials for HDL and MyCellePro products

New phosvitin eczema cream, egg oil skin therapy, and HDL and MyCellePro supplements developed













Patent-pending intellectual property for both processes and products

Retail partner Vitellus Health making sales of HDLevate and Egg Oil worldwide through online store and Amazon marketplace HDL Clinical Study commenced

Road Map



Q4 2019

- Finish financing round
- Start HDL clinical



Q2 2020

- Initial results from clinical testing
- Focus on sales
- MyCellePro Expansion new Vitellus China Vitamin/Mineral product line introduced to Asian Market

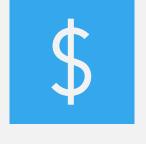
Q2 2019

- Signed deal with distributor
- Start preparation for HDL clinical study
- LOI with Chinese Distributor
- LOI with LeanLife Health for high omega-3 oil production and powdered high omega-3 oil



Q1 2020

- See initial HDL trial results
- Start clinical testing for other products: microencapsulation, CBD, PV-Iron, PV-Skin
- Chinese partnership

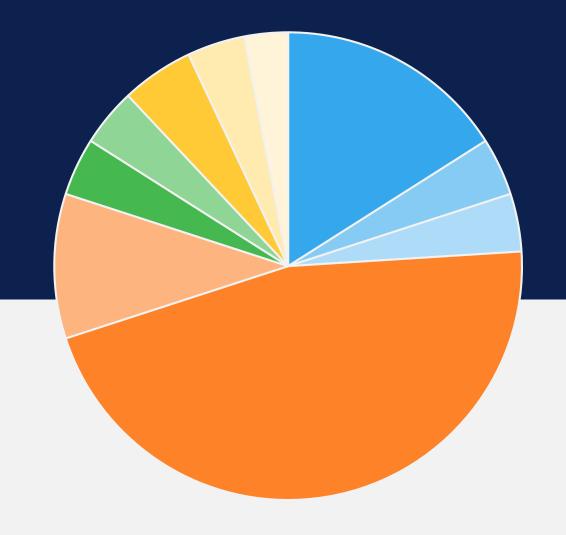




Use of Proceeds

Raise: CA \$2.5 M

PV Iron Supplement Clinical Trial	400k
PV Skin Application Testing	100k
MyCellePro Microencapsulation Testing	100k
HDL China Product Testing	100k
HDL China FDA Approvals	100k
CBD JV Partnership Manufacturing Facility	125k
CBD JV Partnership Manufacturing Facility CBD Absorption Study	125k 100k
CBD Absorption Study	100k



Financial Projections*

Forecast Year	Revenue	Production Costs	Gross Profit	Gross Margin	Overhead	Clinical Trials	EBITDA	EBITDA Margin	Net Profit	Capital Improvement
2019	\$0	\$94,747	-\$94,747		\$194,435	\$0	-\$289,181		-\$569,181	\$0
2020	\$1,710,688	\$1,205,641	\$505,047	30%	\$1,443,208	\$400,000	-\$1,338,161	-78%	-\$1,618,161	\$0
2021	\$11,450,539	\$6,817,856	\$4,632,682	40%	\$2,411,906	\$400,000	\$1,820,776	16%	\$1,540,776	\$1,000,000
2022	\$31,261,803	\$10,528,318	\$20,733,485	66%	\$3,423,849	\$0	\$17,309,636	55%	\$14,038,442	\$0

- * Currency in CAD
- * Projections are conservative and are based on current capacity with a mix of Ecovatec products. With small capital improvements it is easy to scale up and meet growing demand for any one of these products.
- * Annual revenues in excess of CA \$50M can be achieved by 2024 with minimal additional capital and market penetration.

Capital Structure

Private Canadian Company

Total Issued Shares: 55.36 M Shares

Stock Options
 2.01 M Shares

Warrants
 3.98 M Shares

Total Shares Fully Diluted 61.35 M Shares

Financing Terms

Total Issued Shares 55.36 M Shares

• Treasury (with SR&ED) \$150 k

Current Financing

6.25 M Shares

• \$2.5 M

\$0.40/share

Post Financing
 61.61 M Shares

Pre/Post Financing Market Cap \$22.1 M / \$24.6 M

Burn rate: ~ CA \$50K / month

Currency in CAD

Our Team



Drew Perrin, B.A.Sc.Eng., B.Ed. CEO, Director Business leader, new product developer, energy management, product conceptualization, new product design, commercialization



Chris Nichols, B.Sc.
President, Director
Large multinational food companies,
complex on/off site leadership, Lean Six
Sigma, cost optimization, operational
performance



Rick Gagner, B.BA
Chief Financial Officer
Strong reputation through 30 years of business leadership, held numerous
C-Suite positions, recently CEO of Rhema Health Products Inc.



West Ma, President, Vitellus China ESI Business Development 30 + years of experience in international sales and marketing, project management, M&A, and new business development across multiple verticals.



Alex Holdcroft, M.M., B.Sc.
Product Manager
Biologist, Masters in Management
science communication, research,
content writing, project management,
market strategy, website coordinator



Harry ten Haaf, Production Manager

Advisors



Dr. Zachary S. Wochok, Ph.D, M.S., B.Sc. Strategic Advisor

Management consultant, numerous C-Suite and board positions, large multinational companies, food ingredients, ag-biotech, biologist.



Dr. Stewart Ritchie, Ph.D., M.S., D.V.M., Diplomate Advsior

President of Canadian Poultry Consultants and S.J. Ritchie Research Farms. Previously President of the American Association of Avian Pathologists (AAAP). Developed Platinum Brooding® Program.

Summary

- HDL from Egg Yolk can disrupt the statin market
- MyCellePro novel microencapsulation technology has applications in multiple supplement markets
- Phosvitin Peptides disrupt iron, calcium, and eczema markets
- Current financing of CA \$2.5 M funds Ecovatec to positive cash flow achieving HDL, MyCellePro, and PVP revenue and market penetration into Asia
- 2019 Q2 start HDL clinical studies prove effectiveness and dosage → demonstrate results by 2020 Q2
- 2020 Q1 start clinical testing for microencapsulation products
- 2020 Q2 expand MyCellePro new Vitellus China Vitamin/Mineral product line introduced to Chinese Market



HDL References

- ¹ https://academic.oup.com/eurheartjsupp/article/18/suppl_F/F2/2197105
- ² https://www.cdc.gov/cholesterol/cholesterol_education_month.htm
- ³ https://www.acsh.org/news/2015/12/04/cdc-study-reveals-that-too-few-americans-are-on-statins
- ⁴ https://apfoodonline.com/industry/a-finger-on-the-pulse-trends-in-heart-health-supplements/
- ⁵ https://universityhealthnews.com/daily/heart-health/statins-side-effects-exercise-benefits-are-blocked/
- ⁶ DuBroff, R., et al. "Cholesterol confusion and statin controversy". World J Cardiol, vol. 7, no. 7, 2015, pp. 404-409
- ⁷ Clayton, Zachary S., et al. "Egg consumption and heart health: A review." *Nutrition*, vol. 37, 2017, pp. 79–85., doi:10.1016/j.nut.2016.12.014.
- ⁸ http://www.statinnation.net/blog/2017/10/4/cholesterol-lowering-industry-still-worth-more-than-19-billion-and-increasing
- 9 https://www.prnewswire.com/news-releases/heart-health-supplements-market-to-reach-us-29-000-mn-by-2026-persistence-market-research-898168896.html
- ¹⁰ https://www.grandviewresearch.com/industry-analysis/protein-supplements-market
- ¹¹ https://www.marketwatch.com/press-release/egg-white-protein-powder-market-size-rising-at-312-cagr-to-2025-2019-04-10
- ¹² Eftekhar, S., et al. "The Prevention and Treatment Effects of Egg Yolk High Density Lipoprotein on the Formation of Atherosclerosis Plaque in Rabbits." *Iranian Journal of Basic Medical Sciences*, vol. 18, no. 4, 2015, pp. 343-349.
- ¹³ Blesso, Christopher N., et al. "Whole egg consumption improves lipoprotein profiles and insulin sensitivity to a greater extent than yolk-Free egg substitute in individuals with metabolic syndrome." *Metabolism*, vol. 62, no. 3, 2013, pp. 400–410., doi:10.1016/j.metabol.2012.08.014.
- ¹⁴ Greene, C., et al. "Plasma LDL and HDL characteristics and carotenoid content are positively influenced by egg consumption in an elderly population". *Nutr Metab,* vol 3, no: 6, 2006,
- 15 https://watchlearnlive.heart.org/?moduleSelect=hdlldl

MyCelleProTM References

- ¹ Cherniakov, Irina, Dvora Izgelov, Abraham J. Domb, and Amnon Hoffman. "The Effect of Pro NanoLipospheres (PNL) Formulation Containing Natural Absorption Enhancers on the Oral Bioavailability of Delta-9-tetrahydrocannabinol (THC) and Cannabidiol (CBD) in a Rat Model." European Journal of Pharmaceutical Sciences 109 (2017): 21-30. doi:10.1016/j.ejps.2017.07.003.
- ² https://www.grandviewresearch.com/industry-analysis/microencapsulation-market
- ³ https://www.prnewswire.com/news-releases/omega-3-supplements-market-size-worth-usd-57-06-billion-by-2025-hexa-research-832514526.html
- ⁴ naturallysplendid.com/resources/2017/01/cbd-market-estimated-grow-2-1b-2020-report-finds-hemp-derived-cbd-estimated-account-450-million/
- ⁵ https://www.technavio.com/report/global-cbd-oil-market-analysis-share-2018
- 6 https://www.grandviewresearch.com/press-release/curcumin-market
- ⁷ https://www.technavio.com/report/global-coenzyme-q10-supplements-market-analysis-share-2018
- ⁸ https://www.marketsandmarkets.com/PressReleases/lutein.asp
- ⁹ https://www.grandviewresearch.com/industry-analysis/global-astaxanthin-market
- 10 https://www.gminsights.com/industry-analysis/astaxanthin-market
- 11 https://www.persistencemarketresearch.com/market-research/vitamins-supplements-market.asp
- 12 https://www.prnewswire.com/news-releases/vitamin-d-market-worth-1-7-billion-by-2025--exclusive-report-by-marketsandmarkets-300852359.html
- ¹³ Zielinska, Aleksandra, and Izabela Nowak. "Fatty Acids in Vegetable Oils and Their Importance in Cosmetic Industry." *Chemik*, vol. 68, no. 2, 2014, pp. 103–110.
- ¹⁴ Lin, Tzu-Kai, et al. "Anti-Inflammatory and Skin Barrier Repair Effects of Topical Application of Some Plant Oils." *International Journal of Molecular Sciences*, vol. 19, no. 1, 2017, p. 70., doi:10.3390/ijms19010070.

Phosvitin References

- ¹Tiwari, Amit Kumar Mani, Abbas Ali Mahdi, Sudarshna Chandyan, Fatima Zahra, Madan Mohan Godbole, Shyam Pyari Jaiswar, Vinod Kumar Srivastava, and Mahendra Pal Singh Negi. "Oral Iron Supplementation Leads to Oxidative Imbalance in Anemic Women: A Prospective Study." *Clinical Nutrition* 30, no. 2 (2011): 188–93. https://doi.org/10.1016/j.clnu.2010.08.001.
- ² https://ods.od.nih.gov/factsheets/Iron-HealthProfessional/
- ³ Tai, Vicky, William Leung, Andrew Grey, Ian R. Reid, and Mark J. Bolland. "Calcium Intake and Bone Mineral Density: Systematic Review and Meta-analysis." Bmj, 2015. doi:10.1136/bmj.h4183.
- ⁴ Mudiyanselage and Himali. "Production and Characterization of Phosphopeptides from Egg Yolk Phosvitin." Graduate Thesis and Dissertations. 2012. Paper 12451.
- ⁵ Samaraweera et al. "Egg Yolk Phosvitin and Functional Phosphopeptides-Review." Journal of Food Science, vol. 76, no. 7, Jan. 2011, doi:10.1111/j.1750-3841.2011.02291.x.
- ⁶ Samaraweera et al. "Characterisation of phosvitin phosphopeptides using MALDI-TOF mass spectrometry." Food Chemistry, vol. 165, 2014, pp. 98–103., doi:10.1016/j.foodchem.2014.05.098.
- ⁷Ren, J., et al. "Preparation and characterization of phosphopeptides from egg yolk phosvitin." Journal of Functional Foods, vol. 18, 2015, pp. 190–197., doi:10.1016/j.jff.2015.07.007.
- ⁸ Choi, I, et al. "Effectiveness of phosvitin peptides on enhancing bioavailability of calcium and its accumulation in bones." Food Chemistry, vol. 93, no. 4, 2005, pp. 577–583., doi:10.1016/j.foodchem.2004.10.028.
- ⁹ Zhong, Q., et al. "Phosvitin phosphopeptide preparation using immobilised trypsin and enhancing calcium absorption in growing rats." Czech Journal of Food Sciences, vol. 34, no. No. 4, May 2016, pp. 325–331., doi:10.17221/425/2015-cjfs.
- ¹⁰ Zhang, Xiaowei, et al. "Role of phosphorylation of phosvitin in the phase transformation of mineralization." International Journal of Biological Macromolecules, vol. 101, 2017, pp. 712–718., doi:10.1016/j.ijbiomac.2017.03.158.
- ¹¹ Zhang, Xiaowei, et al. "Acceleration of the initial phase transformation of mineralization by phosvitin." Journal of Crystal Growth, vol. 409, 2015, pp. 44–50., doi:10.1016/j.jcrysgro.2014.10.001.
- ¹² Credence Research. "Global Iron Supplements Market Is Expected To Reach US\$ 6,353.9 Mn By 2025: Changing Lifestyle Along With Shift In Dietary Habits Of Consumers, Is Boosting Iron Supplement Market." Market Research Reports. Accessed January 14, 2019. https://www.credenceresearch.com/press/global-iron-supplements-market.
- ¹³ https://www.sigmaaldrich.com/catalog/product/sigma/p1253?lang=en®ion=CA
- ¹⁴ Nutrition Business Journal. US Supplement Market Share by Condition. 2015.
- ¹⁵ Patent No: US 7,982,008 B2 Issued to Dr. David Bar-Or.
- ¹⁶ https://www.grandviewresearch.com/press-release/global-atopic-dermatitis-drugs-market



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Forward Looking Statements (2/2)

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