



MyShroom

www.mycoldiscovery.com

www.quanthealth.org

www.myshroom.com

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OUTLINE



**A Renewed Medicinal Mushroom Industry -
We are setting the standards – growing in
completely sterile environments using
sterile substrates with proprietary vegetable strains.**

**Created from hybrid strains with documented
scientific observations that show the benefits to
mammalian chemistry. Commercialization started in
2010**

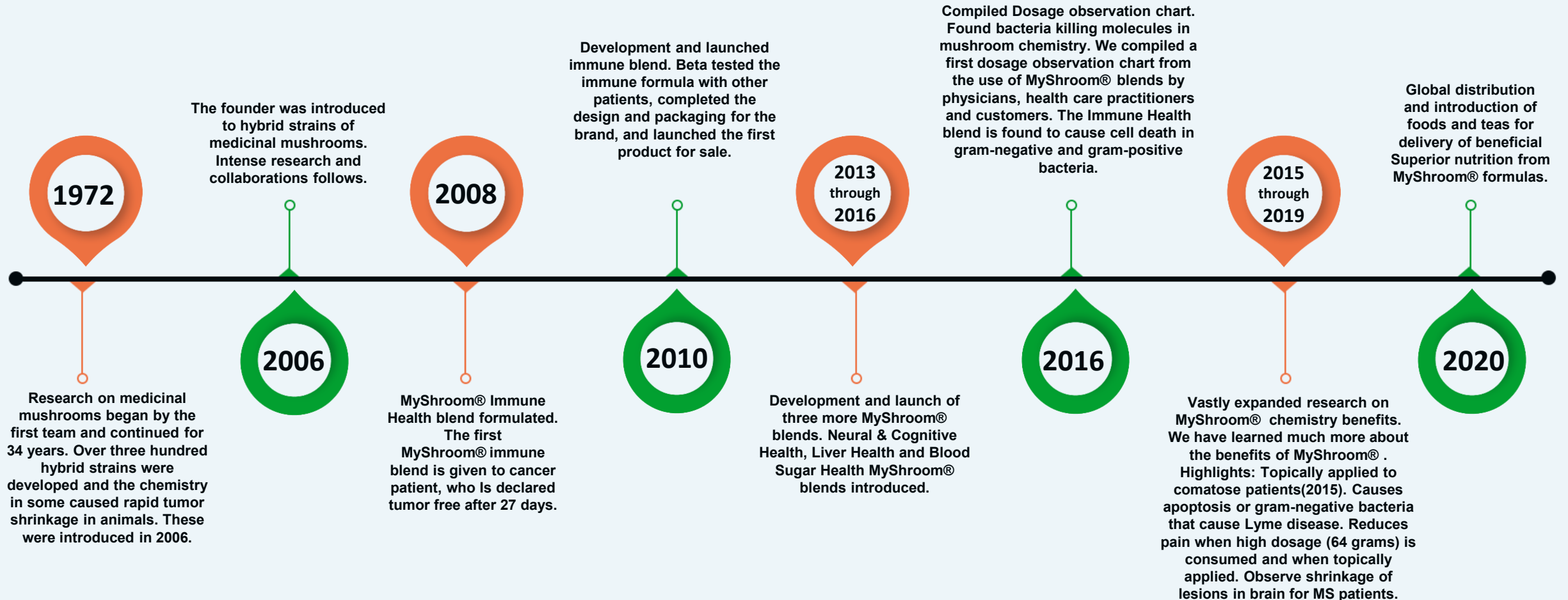
- ❖ **History, Vision & Mission**
- ❖ **Benefits: Clinical Use & Science**
- ❖ **Commercialization & Competition**

OUR BEGINNING

- **Our proprietary hybrid strains are not available from anyone else**
- **Use proprietary organic substrates**
- **Proprietary blends**
- **Grown, processed and packaged in completely sterile clean rooms**
- **Independent lab quality assessments**
- ***Glioblastoma & lung cancer both disappeared in one man in 27 days***



The Evolution of MyShroom®



VISION



We envision a world of thriving, healthy people who have knowledge of and accessibility to high-quality hybrid mushroom blends for nutrition and health.



MEDICINAL MUSHROOMS

AN INDUSTRY WHERE WE ARE THE ONLY ONES THAT ARE SETTING THE STANDARDS AND TO IMPROVE THE INDUSTRY

- “The functional/nutraceutical mushroom industry has expected sales of \$34.3B by 2024, up from \$20B in 2018.” (*Mordor Intelligence, 2019*)
- But all of it is contaminated to some extent because they are all grown in non sterile environments on non sterile substrates.
- All nutraceutical mushrooms are not grown in sterile environments and are contaminated. Non have reproduced what was studied and produced in university laboratories that wrote numerous papers on the positive outcomes with mammalian chemistry.

Food service mushrooms should be steamed or cooked to kill the yeast that can cause candida proliferation.

COMMERCIAL PACKAGING

- Pouches of powder:
 - 1.3 pound/590 gram
 - 10.4 ounce/295 gram
 - 6.9 ounce/196 gram
- Suppository (2 gram)



IMMUNE MUSHROOM FORMULA

REPRESENTS ABOUT 98% OF ALL SALES



- 8 Proprietary hybrid strains from 5 mushroom species
- University-derived from over fifty years of experiments and tests of new strains of medicinal mushroom selected based on experimental results
- Grown in pharma-standard sterile clean-room facilities using special organic substrates. All personnel do not breath the air that the mushrooms are grown in.
- NOT grown on soil, wood, dead plants or waste products. Grown on organic vegetables.

The Myshroom products are blends made from the use of hybrid strains developed from these mushroom species:

- *Ganoderma lucidum* (Reishi)
- *Hericium erinaceous* (Lion's Mane)
- *Antrodia camphorata* (Antrodia)
- *Agaricus muscarius, californicus* (Agaricus Blazie)
- *Codrycep sinensis, unilateralis, bassiana* (Cordycep)
- *Grifola frondosa* (Maitake)
- *Trametes versicolor* (Turkey Tail)
- *Pleruotus ostreatus* (Oyster)



MISSION



<https://www.youtube.com/watch?v=VDf45AvjCt0>



ACADEMIC COLLABORATION

- Collaborated with 7 other highly experienced mushroom research teams in Asia, US and EU, beginning in 1971
- Now working with 23 universities
- \$400K invested; university grants \$100M+ to date
- >800 scientific publications from the universities that developed them
- No encumbering patents
- No LOI with a university; otherwise free to proceed
- History @ www.mycoldiscovery.com

MISSION & OBJECTIVES

Started in 2010

1

Increase capacity to save lives, improve health and reduce malnutrition and famine

2

Educate healthcare professionals and the public on product benefits and uses



BENEFITS

CLINICAL USE AND SCIENCE

Benefits of MyShroom® Medicinal Mushroom Blends



MyShroom®

Highly Nutritious

- Over 4,000 beneficial chemicals including all essential amino acids, transition metals, enzymes, and proteins
- The chemistry supports the strengthening of the nervous system
- Exceeds the beneficial chemistry and nutrition of any other food
- Remarkable food for famine

Strengthens Immune System

- Increases number of T cells
- Contains protein that has specific amino acids that are essential for T cell function
- Increases oxygen in the body by 30%
- Modulates the immune system (over and under activity)
- Enables the bodies immune system, overcomes great adversity

Modulates Immune System

- Mitigates over activity
- Augments under activity
- Results in balancing the hormones
- Supports cell communication

Servises the Brain, Liver, Blood and Body

- Penetrates the blood-brain barrier
- Strains create and secrete an array of antiviral, antifungal, and antiparasitic compounds
- Supports the increased production of ATP: patients become more energetic
- Presents sulfur containing antioxidants ergothioneine and glutathione

BENEFITS



- Over 4,000 beneficial chemicals including all essential amino acids, transition metals, enzymes and proteins
- Exceeds the beneficial chemistry and nutrition of any other food on earth
- Strengthens the immune system (T-cells)
- Modulation/regulation of the immune system (mitigate over-activity, augment under-activity).
- Penetrates the blood brain barrier

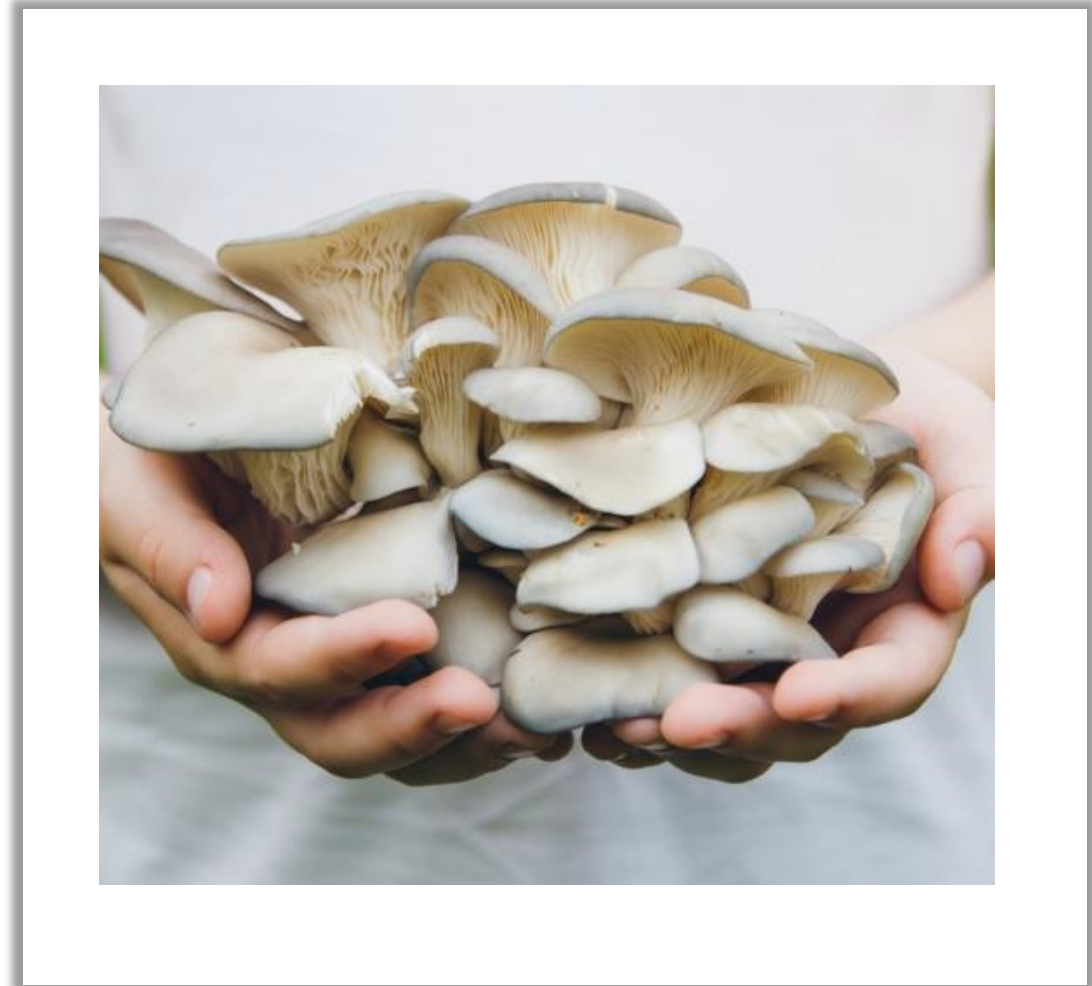
BENEFITS (2)

- Mushroom chemistry supports cell communication
- Strains create and secrete an array of antiviral, antibacterial, antifungal, and antiparasitic compounds
- Sulfur-containing antioxidants ergothioneine and glutathione
- Supports the increased production of ATP: patients more energetic
- Remarkable food for famine



BIOLOGICAL RESPONSE MODIFIER

- Our Medicinal mushrooms cause no harm & place no additional stress on the body
- Help the body to adapt to various environmental and biological stresses
- Non-specific actions, supporting:
 - Nervous system
 - Endocrine system
 - Immune system
 - Regulatory functions
- Dosage for severe illness: 32 grams a day.

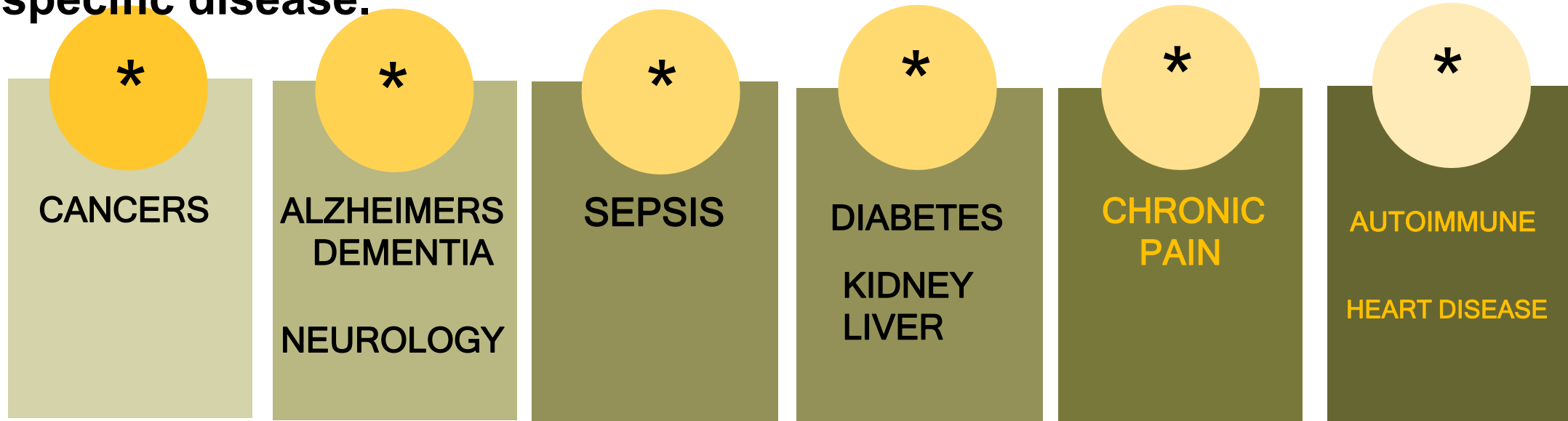


HOW SAFE ARE OUR MUSHROOMS?

- Our medicinal mushroom strains apparently produce no harmful side effects
- Absence of chronic & acute toxicity (animals & humans)
- No detrimental effects on DNA; no mutations.
- Pregnancy (animals) - not detrimental to fetal development
- No lethal dose observed (LD50)
- People with penicillin allergy appear to tolerate our mushroom blends and hundreds with this allergy have overcome their disease
- Free of common allergens: gluten, sugar, dairy, tree nuts.
- Mushrooms will not affect conventional therapies, and many times do improve their actions with no side affects

CREATING THE BEST STANDARDS FOR AN INDUSTRY TO ADDRESS GLOBAL DISEASE

Studies, experiments and anecdotal evidence justify large clinical trials with these diseases; we will also perform trials in other diseases. There is enough evidence from use by health care around the world that it is now fully accepted. The insurance industry in the USA wants trials to provide proof so they will provide reimbursement when used with a specific disease.



MEDICINAL MUSHROOMS: CANCER

- Benefits both innate and adaptive immune systems
- Strengthens and balances the immune system in 5-20 days
- Fast tumor die off without Herxheimer reaction
- Uncloaks tumors: witness sensitivity or heat at site by 15 days (no pain at site)
- Supports the body's immune system so it can now see and consume cancer cells or lesions

OTHER OBSERVATIONS

- **MOOD DISORDERS**: 3-4 weeks. Anxiety lessened, sleep better, calmer; caregiver sees change before patients do
- **LYME DISEASE**: 4 weeks. Energy bump, activity returns, sleep better, pain reduced
- **PARKINSON'S**: Cognition improves in 1 week; mobilization, no longer in bed; daily improvements
- **MS**: Start in wheelchair and return to normal by 8 months
- **STROKE**: Faster recovery
- **Type II DIABETES**: All are different; some stop insulin, others reduce insulin
- **AUTISM**: 2 months; even tough cases stabilized & returned to school
- **PTSD in VIETNAM VETS**: Most now able to function; clarity, energy, appetite, quality of life improved; excrete parasites

GENERAL OBSERVATIONS

- DOSAGE: larger dose leads to faster improvement; max dose 32 grams/day (12 teaspoons)
- Skin & hair: other people comment on radiance
- Aphrodisiac effects?
- More energy, exercise more, gain weight, positive attitude, can work longer
- Life extension? People with terminal disease live years v months
- Patients improve every week, so are motivated to continue mushroom use



SEPSIS

In the largest-ever study of Medicare in the USA sepsis data, the increased rate of beneficiaries hospitalized with sepsis is nearly doubled the increased rate of enrollment in Medicare.

KEY TAKEAWAYS

- New research estimates that the 2019 cost of sepsis care for inpatient admissions and SNF admissions was more than \$62 billion.
- The 6-month mortality rate among fee-for-service Medicare beneficiaries with an inpatient hospital admission was about 60% for septic shock, which is the most severe form of sepsis.
- Prevention and early detection are key public health approaches to addressing sepsis.
- The largest sepsis study ever conducted with Medicare data found a 40% increase in the rate of Medicare beneficiaries hospitalized with the deadly infection from 2012 to 2018.
- Sepsis is diagnosed in at least 1.7 million adults annually in the United States, according to the Centers for Disease Control and Prevention. About 270,000 Americans die from sepsis every year, and 1 in 3 patients who die in hospitals are diagnosed with sepsis, the CDC says.

The new study was conducted by researchers from the U.S. Department of Health and Human Services. The journal of Critical Care Medicine has published the research in three articles:

- ["Sepsis Among Medicare Beneficiaries: 1. The Burdens of Sepsis, 2012-2018"](#)
- ["Sepsis Among Medicare Beneficiaries: 2. The Trajectories of Sepsis, 2012-2018"](#)
- ["Sepsis Among Medicare Beneficiaries: 3. The Methods, Models, and Forecasts of Sepsis, 2012-2018"](#)

"We were astonished by the study's results. To save lives in public health emergencies, we must solve sepsis. The findings of this study have implications not only for patient care, particularly after patients are discharged, but also for investments by industry, non-government organizations, and government agencies," Rick Bright, PhD, a study co-author, DHHS deputy assistant secretary for preparedness and response, and director of the Biomedical Advanced Research and Development Authority, said in a prepared statement.

Comparative Cost Analysis Observations: Myshroom® provides a more cost-effective solution and a higher Quality of Life

OBSERVATIONS OF THE COSTS AND QUALITY OF LIFE BENEFITS

| DISEASE/HEALTH CHALLENGE, A SAMPLING OF DISEASES | CURRENT MEDICINES /FOOD ANNUAL COST (USD) | MYSHROOM® NUTRITION ANNUAL COST *(USD) | % QUALITY OF LIFE WITH CURRENT MEDICINES & FOODS | % QUALITY OF LIFE USING MYSHROOM® NUTRITION (WITH OR WITHOUT MEDICINES) |
|---|--|---|--|---|
| CANCERS | \$25,000 - \$150,000 ++ | \$5,000 - \$18,000 | <25% | >90% |
| MULTIPLE SCLEROSIS | \$40,000 - \$100,000 | \$5,000 - \$18,000 | <50% | >90% |
| ALZHEIMERS/DEMENTIA | \$25,000 - \$150,000 | \$5,000 - \$18,000 | <5% | >90% |
| NEUROLOGICAL DISEASES | \$25,000 - \$150,000 | \$5,000 - \$18,000 | <5% | >90% |
| KIDNEY | >\$5,000 | \$6,000 - \$15,000 | <50% | >90% |
| LIVER | >\$5,000 | \$1,200 - \$5,000 | <50% | >90% |
| DIABETES | >\$14,000 - \$28,000 | \$1,200 - \$18,000 | <75% | >90% |
| BONE & MUSCLE | >\$5,000 | \$3,600 - \$6,000 | <75% | >90% |
| HEART MUSCLE AND VALVES | >\$15,000 | \$4,800 - \$7,200 | <80% | >90% |
| DENTAL ROOT INFECTION | >\$800 | <\$680 | <90% | >90% |
| PAIN | >\$25,000 - \$100,000 | \$5,000 - \$18,000 | <50% | >90% |
| THE TOTAL WITHDRAW TIME FOR ADDICTS CAN TAKE ONE TO TWO MONTHS | | | | |
| TO GET OFF ADDICTIONS AND PAIN MEDS, IT TAKES ONE TO TWO MONTHS | THE TOTAL COSTS OF DRUGS IS \$20-\$45K PER MONTHS FOR THE FIRST TWO MONTH AND THEN \$2K+/- SUBSEQUENTLY FOR EACH MONTH | \$1.2 - \$3.6 CAN STOP CONSUMING WITH FOOD IN 2 TO 3 MONTHS AND NO CONTINUOUS USE IS NEEDED | <80% | >95% |
| LYME, OTHER GRAM NEGATIVE DISEASES AND AUTOIMMUNE DISEASES | >\$12,000 | \$3,000 - \$28,000 | <5% | >90% |
| SEPSIS-LIFE THREATENING INFECTION | >\$8,000 | \$1,200 - \$4,800 | <30% | >90% |
| DETOX-REDUCE THE AMOUNT OF CHELATION, INFUSIONS AND NAD INFUSIONS BY AS MUCH AS 50% OR MORE | >\$3,000 | \$1,000 - \$2,400 | | >95% |

This table shows that Myshroom® is significantly and indeed substantially, more cost-effective than other popular treatments. The huge savings and the high success rates make a compelling case for MyShroom®, medicinal mushroom blends, to be adopted at least as an adjunctive protocol.

The humble Mushroom is the newest Superfood.

* USA and Europe

Myshroom® A FOOD THAT PROVIDES EXCELLENT NUTRITION PROVIDED BY NATURE. THIS IS NOT A CURE FOR ANYTHING, IT IS A FOOD THAT PROVIDES EXCELLENT NUTRITION SO THE BODY CAN HEAL ITSELF IN MANY CASES. THESE FOODS DO NOT DIAGNOSE OR TREAT A DISEASE.

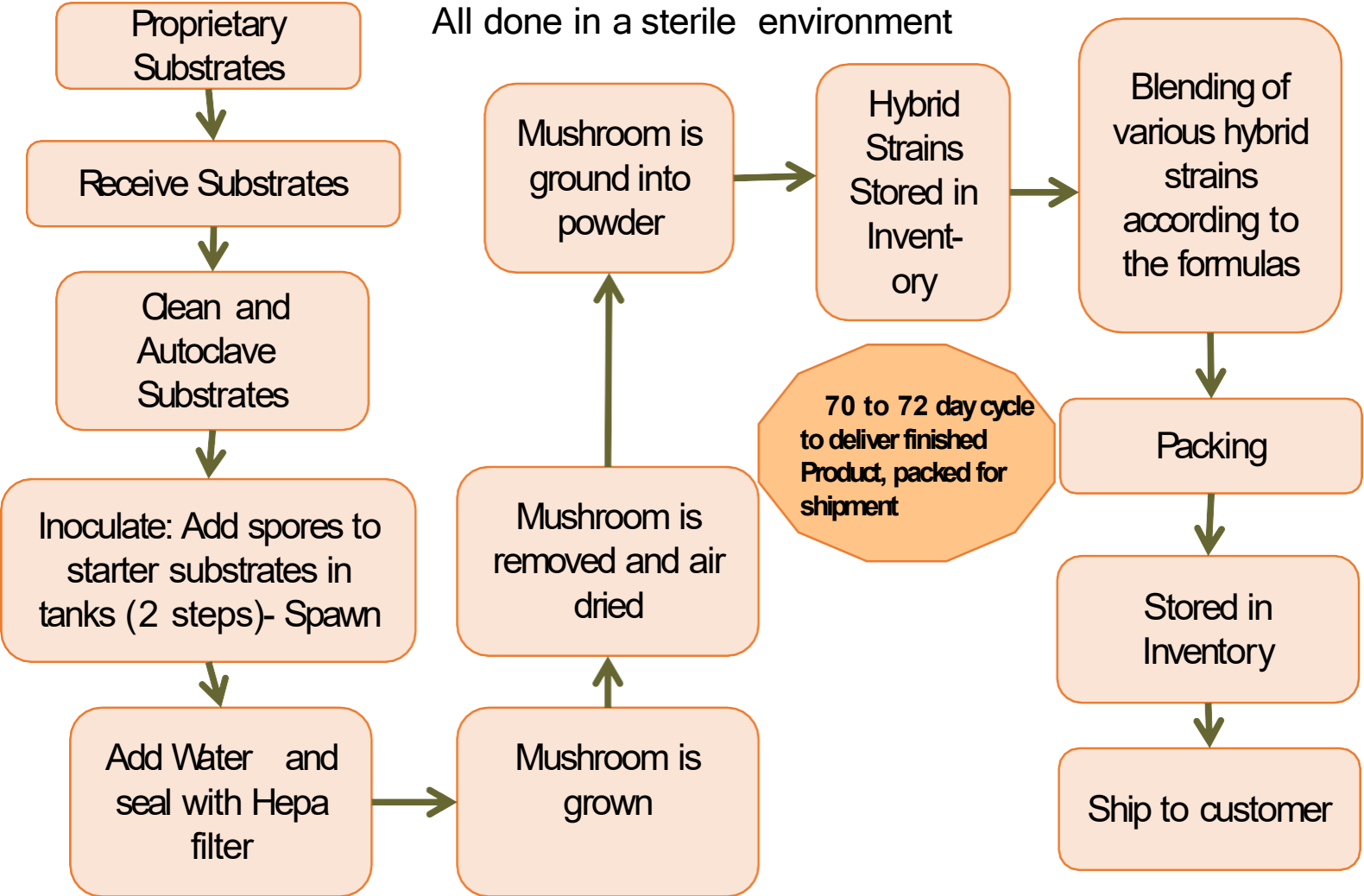
A NEW MUSHROOM INDUSTRY

- A food as medicine
- Supported by academic science
- Significant clinical experience
- Used as adjunctive protocol
- Augmentation of physiology
- Education of these is essential



WE HAVE NO REAL COMPETITION
We are creating a new market

PRODUCTION FLOW CHART



FDA Registered - Mycol Discoveries & MyShroom®

- Mycol Discoveries, LLC (Mycol) registered by the FDA, FDA Registration No.16595257896 and UFI (DUN) No.107857417.
- All Mycol grow and production facilities shall be FDA registered



MUSHROOMS

- Archeological evidence indicates that the use of fungi by humans began at least 6,000 years ago in China, South America, Africa and North America
- 1,789 EDIBLE species have been identified in China
- 798 MEDICINAL fungi are reported from China alone
- China had a 1,400-year history of the cultivation of fungi for food and medicine



MUSHROOM STANDARDS?

- 25,000 lbs mushrooms produced in US, 400,000 lbs imported from *Asia (2018, Mushroom Council)*
- All involved parties recognize need for growing standards
- Mycol Discoveries is the lead in setting medicinal mushroom standards
- We want to lift the entire industry so that health claims can be made and respected

WHAT SETS US APART?

- 100% of other mushrooms are contaminated
- We use only proprietary hybrid strains
- Only proprietary organic substrates
- Sterile clean room grows
- Scientific validation
- We mass produce what scientists studied in labs
- Clinical efficacy (proof of concept)



RESULT: outstanding results rarely achieved with other mushrooms

*We are a business that is
making a difference in the
lives of people and on the
health of the planet.*

THANK YOU !



MyShroom