APPLICATIONS OF BIOPROCESSED DESERT CAMEL’S MILK

IN HUMAN NEURODEGENERATIVE DISEASES PREVENTION AND CONTROL

2nd Stage Development

A Health and Wellness Initiative

By

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INITIATIVE THRUSTS

- The Sahara Desert Camel and its Arabian Peninsula cousins demonstrate exceptional physical characteristics/traits that are deeply rooted in their neurological adaptations which guarantee a successful life in the desert, typically exhibited during long desert journeys, hauling heavy payloads, and these traits include
  - Focus (even in disorienting, blinding sand-storms)
  - Uniquely coordinated muscle movement and control (complete opposite of ataxia observed in recombinant growth hormone - RbsT treated dairy cows in feedlots)
  - Outstanding calmness
  - Deep memory
  - Pain resistance (anti-inflammatory model)
  - Exemplary strength and robust energy (minimal feeding)
  - Unparalleled body-cooling ("intolerant" ambient dry heat)
  - General resilience

- Some of the above traits potentially could be ‘replicated’ in humans by exploiting a unique endowment of the camel which partly reinforces these traits – the animal’s milk

- Exploitation of camel’s milk nutraceutical properties by BIOPROCESSING has been demonstrated in part to enhance human health and wellness in some desert dwelling people
• Human **neurological disorders** which sometimes dovetail with **neuro-endocrine disruption** have been on the increase lately in tandem with increased chemical contamination of the environment.

• A **relationship potentially exists** between **environmental pollution**, **climate change** (partly resulting from ozone layer depletion) and lately **prevalent neuro-endocrine disruption**!

• The above apparent *(direct or indirect)* adverse relationship between climate change and neuro-endocrine disruption probably induced the camel to adapt neurologically for survival in the **Sahara** thousands of years ago which at that time was a **“vegetative green belt”**

  ✧ Camel’s milk therefore holds promise as ‘malleable tool’ for fixing human neurological issues of which **ALZHEIMER’S** is beginning to stick out like a ‘sore thumb’

**Proposed Take-Off of the Initiative**

• An initial **COALITION** of 2 members would suffice for a take-off as follows
  - Camel milk producer to source the milk
  - Camel milk bioprocessing scientist for general nutraceuticals production including neurotransmitters and neurons infrastructural support substances

• Other **COALITION** members could be ‘coalesced’ down the road as and when needed

**Provisional Conclusion**

• In the short term the above initiative could be started as provisionally proposed with addendums such as: confidentiality agreement, provisional legal agreement, budgetary stipulations, limited research proposal, Coalition members’ nominations/solicitation etc.