

Can Radioactivity Create Living Cells?

A Proposed Experiment to Test for Microvita in the Origin of Life

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Abstract

Can radioactive atoms in a sealed test tube create living cells in a second sealed, sterile test tube containing chemical building blocks of life? This question may be answered in the affirmative by experiments designed to test a new scientific hypothesis about the origin of life, based on the ideas of a modern spiritual master. The hypothesis to be tested is based on the concept of microvita, subtle subatomic living entities that spread life and minds throughout the universe. Microvita were introduced in India by the guru of Ananda Marga “the Path of Bliss”, Prabhat Ranjan Sarkar, in 1986.

Introduction

In 1986, Prabhat Ranjan Sarkar introduced the subject of microvita for the first time in a discourse “Microvitum—the Mysterious Emanation of Cosmic Factor”. (1) He explained that microvita are subtle, subatomic living entities that move throughout the universe, creating minds and bodies, and also spreading diseases. He said that there are positive and negative, as well as neutral, varieties of microvita, and they have three different levels of subtlety. They move through physical and psychic media, and play various roles in the evolution of life and mind. He elaborated his microvita concept in a collection of discourses called *Microvitum in a Nutshell*. (2)

After more than 35 years, no objective scientific tests have confirmed the microvita concept. This article proposes a new experimental approach for testing a specific microvita hypothesis about the origin of living cells. If the proposed experimental approach is carefully implemented and yields a positive and confirmed outcome, this would greatly accelerate scientific research on microvita and would also significantly advance origin-of-life research in general.

According to P.R. Sarkar, microvita are emanated by the Cosmic Mind. Billions of microvita compose a carbon atom and other atoms. In the author’s experimental hypothesis, natural nuclear fission of radioactive atomic nuclei, for example in Carbon-14, awakens and releases some microvita from the atoms. According to P. R. Sarkar, microvita awakened from atoms in an explosion at the atomic level carry genetic codes from the Cosmic Mind for constructing DNA or RNA molecules. The released microvita can travel through various physical media such as glass. They expand to produce viruses containing DNA or RNA molecules. These viruses may then create living cells in a suitable chemical environment.

The basis of the experimental hypothesis

Here are several statements about microvita, based on P. R. Sarkar’s statements, that underlie the present experimental hypothesis.

- 1 A cosmic mind emanates microvita, some carrying information codes for DNA and RNA, the genetic chemicals of life.
- 2 Billions of microvita form chemical atoms.
- 3 Explosions at the atomic level in a chemical solution “awaken” some microvita in these atoms.
- 4 Awakened microvita carrying DNA or RNA codes expand to form viruses carrying molecular DNA or RNA.
- 5 This DNA or RNA in viruses, which are actually awakened microvita, can then become active.

Several quotations below from Prabhat Ranjan Sarkar about microvita, obtained from one of his associates *Acharya Vimalananda Avadhuta* and which were included in my 1988 book "*Microvita - Cosmic Seeds of Life*", (3) are given below. These quotations have been used in addition to P.R. Sarkar's published discourses about microvita to develop the experimental hypothesis proposed to be tested about microvita and the origin of life.

1. "When solid matter explodes at the atomic level, billions of microvita that have solidified to form the atom may awaken. Microvita are dormant in the atom and very small. When jadasphota (matter explosion) occurs, microvita awaken and take on a different structure. If the environment is changed, microvita change to suit the environment. That is how a tiny microvita can change and become so large that it can be seen through a microscope."
2. "Microvita when awakened develop a personality that depends upon the environment. If jadasphota takes place in a solution of Fe_2O_3 you will get one structure. The structure will be different in different environments. If it is in another structure such as Fe_3O_4 it will be different. As the environment will affect the structure of microvita, that structure will keep changing as microvita move through different environments."
3. "When a microvita has been awakened and enters a cell, a virus adapts to the environment of the cell. You get a virus when a microvita has entered a cell and developed."
4. "The RNA and DNA of a particular virus is unique to that virus. Particles of Cosmic Citta (Objective Cosmic Mind), when microvita are emanated from Cosmic Mind, already contain the information for RNA or DNA. This information is there but not seen until microvita is awakened, and when it is in virus form then we can detect it."

Jadasphota / Radioactive decay

P. R. Sarkar's use of the word "jadasphota" ("matter explosion") in the statements above, has been interpreted in the context of a chemical solution, to mean "radioactive decay". To see why, let us look closer at the quoted sentences above.

Compare the sentence "When solid matter explodes at the atomic level, billions of microvita that have solidified to form the atom may awaken." with the second following sentence: "When jadasphota occurs, microvita awaken and take on a different structure." It is clear in this context that the phrase "When jadasphota occurs" has the same meaning as "When solid matter explodes" because the Sanskrit word jadasphota literally means "matter explosion". P.R. Sarkar's usual use of the term "jadasphota" in other contexts is for a huge explosion of a celestial body (like a supernova explosion.). He also said that jadasphota can occur gradually, in the "wear and tear" of material objects. In a later sentence above we have "If jadasphota takes place in a solution of Fe_2O_3 you will get one structure". How can jadasphota at the atomic level occur in a chemical solution? A reasonable interpretation is that jadasphota at the atomic level means the radioactive decay of an atom, which is the splitting or fission of the nucleus of the atom, with the release of energetic smaller particles.

With this interpretation of jadasphota, radioactive atoms release awakened microvita during radioactive decay, in addition to producing energetic physical particles. Now look at the last two quotes: "When a microvita has been awakened and enters a cell, a virus adapts to the environment of the cell. You get a virus when a microvita has entered a cell and developed." and "The RNA and DNA of a particular virus is unique to that virus. Particles of Cosmic Citta (Objective Cosmic Mind), when microvita are emanated from Cosmic Mind, already contain the information for RNA or DNA. This information is there but not seen until microvita is awakened, and when it is in virus form then we can detect it." These sentences help motivate the proposed experimental test for evidence of microvita, and also explain the origin of DNA and RNA found in biological cells, which up to now has been an unsolved scientific mystery.

Putting the above ideas together leads to an experimental hypothesis and prediction: Radioactive atoms will release some microvita carrying coded DNA or RNA information. These microvita will expand and develop into viruses with detectable molecular DNA or RNA. These viruses in a suitable chemical environment will

generate living cells which can be detected and analyzed. If no other valid explanation for the appearance of living cells in a suitably-controlled experiment to test this hypothesis and prediction can be found, it can be reasonably concluded that radioactive decay (with the release of microvita carrying coded DNA or RNA information) led to the formation of

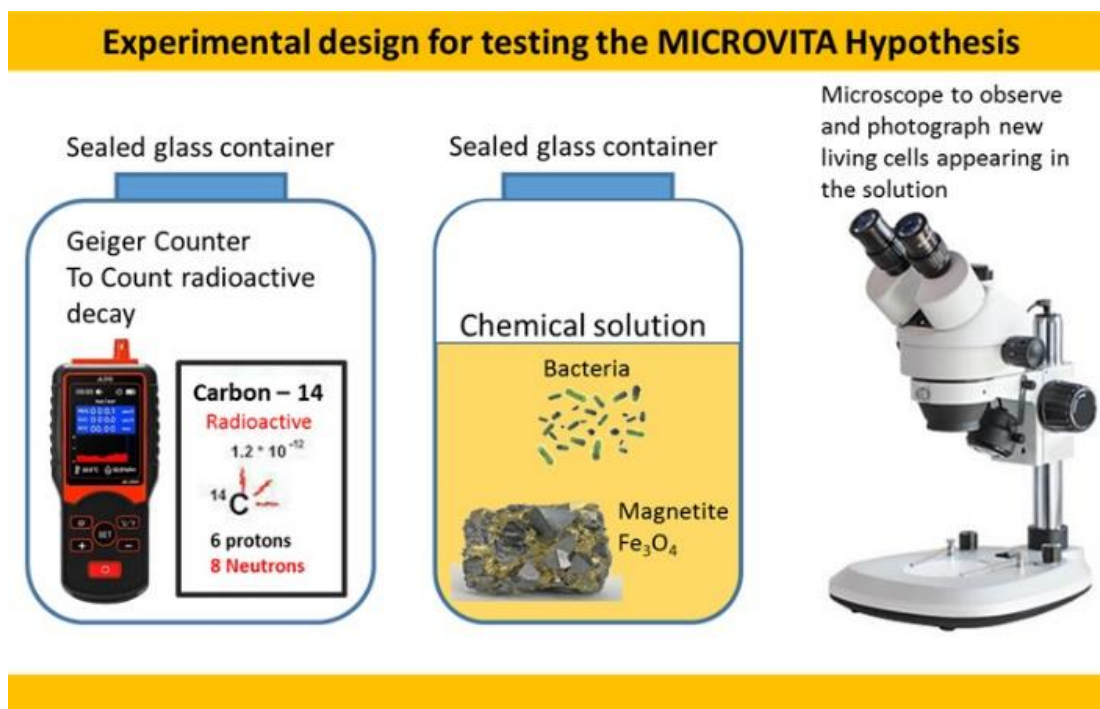


Figure 1. Proposed experimental design (simplified) for testing the microvita hypothesis for creating living protozoic cells from radioactive atoms.

In the simplified experimental design in Figure 1 above, a small piece of radioactive material containing carbon-14 and a Geiger counter are in a sealed glass container next to a separate sealed glass container holding a piece of sterile magnetite (Fe_3O_4) in a sterile solution of atoms and molecules: C (Carbon), H_2 (Hydrogen), N_2 (Nitrogen), O_2 (Oxygen), P (Phosphorus) and other simple molecular building blocks contained in many protozoa. Assume that every time there is a radioactive decay of a carbon-14 atom (as measured by a recorded “click” from the Geiger counter next to the radioactive material), one or more single living bacteria or other protozoic cells appear in the solution or on the piece of magnetite and is filmed by a video camera. The living cells produced by the radioactive decays may be a different species each time. Let us assume that the proposed radioactive-atom origin-of-life experiment regularly comes out positive, i.e. that radioactivity-related bacteria or other protozoic cells regularly emerge in the solution. Assume that these results are genuine and repeatable, and all sources of bacterial contamination in the experiment have been ruled out. With no other rational explanation for the appearance of bacteria or other protozoa in the second container that are associated with radioactive decays in the first container, the microvita hypothesis for the origin of the bacteria or other protozoa in the second container from the radioactive decays in the first container would have to be accepted.

Conclusion

Confirmed positive results in the proposed experiment will both support the microvita hypothesis for the creation of living cells, and create a new experimental and theoretical paradigm for studying the origin of life. Currently there is no accepted scientific evidence supporting the existence of microvita. There is also no evidence so far that the DNA or RNA in living cells evolved naturally.

Proposed by P.R. Sarkar in 1986, microvita are living entities emanated from an infinite cosmic mind, itself produced by an infinite supreme consciousness. A positive outcome in the proposed experiment will severely challenge the current materialistic paradigm underlying modern biological research, and current scientific research generally. Since scientific worldviews also impact society, a new scientific paradigm based on

microvita and their origin from cosmic mind and supreme consciousness could have a large effect on human society and its values as well.

Summary

The proposed experimental hypothesis predicts that microvita released from radioactive atoms will create viruses and then living cells in the specified or a similar laboratory set-up. The appearance of living cells under controlled conditions in the proposed experiment would support the microvita hypothesis, in the absence of any other reasonable explanations for the appearance of living cells in the experiment. The hypothesis tested is based on P. R. Sarkar's explanations about microvita. Billions of microvita form atoms. Microvita are liberated from atoms by radioactive decay. These microvita construct physical viruses containing genetic information (DNA or RNA) and other virus molecules needed for the viruses to create living cells in a suitable environment. In the proposed experimental setup, radioactive decays in one sealed container are predicted to correlate with the appearance of living protozoic cells in a separate sealed and sterile container holding Fe_3O_4 (magnetite) and a mixture of simple chemicals that are ingredients for living cells.

References

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3. Gauthier R., *Microvita: Cosmic Seeds of Life*, 1988, Dharma Verlag, Mainz, p. 31 accessed 23 May 2022.

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Submitted to viXra on June 30, 2022

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