COLEGIO BAYARD

Mission to Mars

Stage 5:

Experiment

MET 01

(Microorganism excavation test 01)

1) We are going to search for microorganisms on Mars because a former NASA scientist, Gilbert V. Levin has argued that there was life on Mars in the 70's.
The expected results are that we can find microorganisms 9 meters below the soil.

2) We think this is important because we can find life on mars, because we can experiment with their life and study them. The 30 of July of 1976, the LR sent their initial results of Mars, a total of four positive results were obtained. According to a scientist who worked for NASA found evidence of life on Mars in the 1970s.

https://www.bbc.com/mundo/noticias-50056307

3) We want to find and demonstrate that Mars has life of microorganisms, and to see if Gilbert V. Levin has the reason.

4) For the experiment:
We will first excavate 8 meters with machine

and then the remaining meter manually with shovels.(Because the machinery could damage the microorganism if it excavated the 9 meters.)

5) We are going to use Hazmat suits probably mixed with the special suit to survive on Mars and sterilize all the machinery and the shovels. So we don't damage the microorganism.

The machine would excavate 8 meters down	we would excavate ourselves 1 meter down with caution to don’t damage the zone and the microorganisms	To sterilize all the objects because we don’t want the microorganisms dead
3 or 4 days	3 days	5 hours

6) Considering these factors, the experiment has scientific value and potential benefits. However, careful planning, adherence to ethical guidelines, and rigorous scientific and technical considerations are crucial to maximize the chances of success while minimizing potential risks.

We think our experiment is going to work and we are going to bring the microorganisms to earth. The estimate of the price:

It's important to note that these estimates do not include the costs associated with mission planning and execution, as well as sample return, which are significant cost drivers in Mars exploration missions.

Considering the exclusions and the rough estimates provided, the overall cost of the experiment (excluding mission planning, execution, and sample return) could range from several million to tens of millions of dollars. However, please keep in mind that these figures are highly approximate and should be treated as rough estimates. The actual cost would depend on a variety of factors, including the specific technologies, equipment, and resources required for the experiment.