

# Astronauts and explorers on Mars could eat lab-grown steaks

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Credit: Aleph Farms

Growing meat without the need to grow a whole animal has been the dream of agriculturalists and foodies everywhere for decades. More and more companies are jumping on the bandwagon to recreate the experience of eating meat without the downsides so often associated with its creation. One of those companies is Aleph Farms, based in Israel, which just announced its newest program—Aleph Zero, an effort

to grow meat in industrial quantities in space.

This wouldn't be the first time the company has reached for the stars. Last year, they successfully grew the first meat in [space](#) as part of a collaboration with 3-D Bioprinting Solutions. The work was carried out on the ISS, and, despite being a milestone for food production, only resulted in a small amount of actual meat.

The company has since busied itself reaching out to space agencies and other [technology companies](#) to establish cooperative research and development agreements. While no specific agreements have yet come to light, the company released a Medium article with a link to a video from the CEO describing the drive behind the company's new initiative.

If they hope to reach more milestones, the company must work quickly. Others are hot on its heels in hopes to capture some of the soon-to-be growing market for space meat. Programs like NASA's Artemis and SpaceX's planned Mars mission could exponentially increase the number of people living long-term in space. If a company could produce [meat](#) on an industrial scale from locally sourced ingredients, such as Aleph plans to do with its BioFarms, it could be a game changer for the nutrition of future space explorers.

For now, that's still a long way off, but anyone interested in the long term exploration of space should keep a close eye on this small Israeli [company](#) and its dreams of a meatier future.

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