



1
00:00:00,000 --> 00:00:01,890
(Music)

2
00:00:01,890 --> 00:00:05,500
NASA is launching a new spacecraft to learn how

3
00:00:05,500 --> 00:00:09,650
to protect astronauts from harmful bacteria.

4
00:00:11,010 --> 00:00:14,650
It's called EcAMSat.

5
00:00:16,050 --> 00:00:18,100
Inside the shoebox-size spacecraft

6
00:00:18,100 --> 00:00:20,400
is a miniature biology lab.

7
00:00:21,220 --> 00:00:23,400
Where samples of E.coli will battle it out

8
00:00:23,400 --> 00:00:25,150
against antibiotics...

9
00:00:27,600 --> 00:00:30,000
Testing how the bacteria react to

10
00:00:30,000 --> 00:00:31,160
and even resist treatments in space.

11
00:00:32,700 --> 00:00:35,100
Studies show the human immune system undergoes

12
00:00:35,100 --> 00:00:38,000
changes during spaceflight...

13
00:00:38,000 --> 00:00:41,000

Putting the body at higher risk

14

00:00:41,000 --> 00:00:42,400
of infection and disease.

15

00:00:43,600 --> 00:00:46,000
The results of the experiment will help

16

00:00:46,000 --> 00:00:48,500
researchers determine what medicines to pack

17

00:00:48,500 --> 00:00:49,740
for future space travelers...