

# New antibiotic discovery is “game-changer”

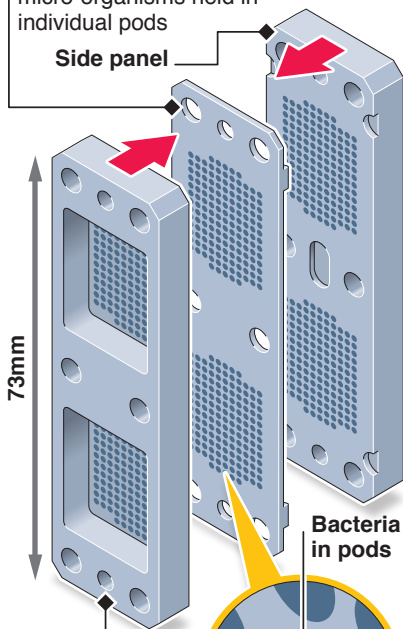
U.S. scientists have used a novel method for growing bacteria that has yielded 25 new antibiotics, with one deemed “very promising”. Resistance to antibiotics is spreading faster than the introduction of new drugs to fight infections, leading to a growing public health crisis

## iCHIP BACTERIA INCUBATOR

Cultures grown in soil as most soil-based bacteria cannot be grown in laboratory

**Central plate:** Houses growing micro-organisms held in individual pods

**Side panel**

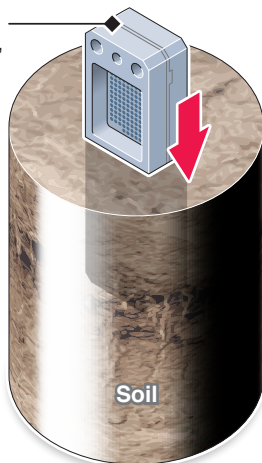


**Bacteria in pods**

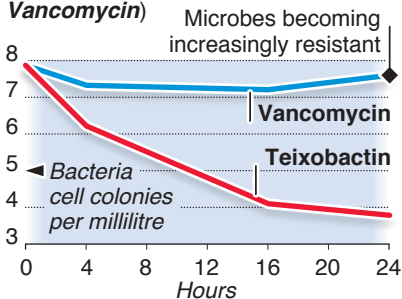
**Side panel:** Semi-permeable membranes separate central plate from soil

**Burial:** iChip buried in soil, allowing unique chemistry of earth to permeate each pod

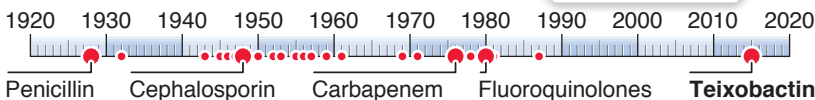
**Result:** Chemicals produced by microbes tested. 25 new antibiotics discovered – including **Teixobactin**



**PERFORMANCE OF TEIXOBACTIN** (compared to similar antibiotic, **Vancomycin**)



## CENTURY OF ANTIBIOTIC DISCOVERIES (selected)



Sources: Nature, WHO, wire agencies

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