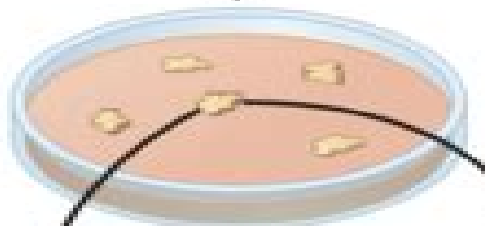
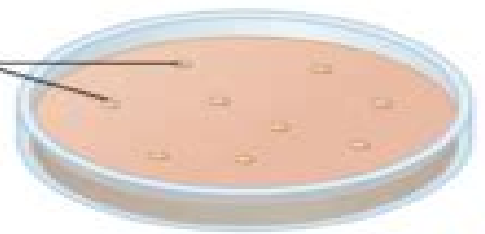


Neurospora
cells



No
growth



- 1 Individual *Neurospora* cells were placed on complete medium.
- 2 The cells were subjected to X-rays to induce a mutation in one gene per cell.
- 3 Each surviving cell formed a colony of genetically identical cells.
- 4 Cells from each colony were placed in a vial with only minimal medium. Cells that did not grow were identified as nutritional mutants.
- 5 Cells from one nutritional mutant colony were placed in a series of vials, each containing minimal medium plus one additional nutrient.

Growth

Minimal
medium
+ valine

Minimal
medium
+ lysine

Minimal
medium
+ arginine

Control: Wild-type cells
growing on
minimal medium

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Huangqi Zhang

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the name bar.

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