

Video Article

Trypsinizing and Subculturing Mammalian Cells

Richard Ricardo¹, Katy Phelan¹

¹Molecular Pathology Laboratory Network, Inc

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Abstract

As cells reach confluency, they must be subcultured or passaged. Failure to subculture confluent cells results in reduced mitotic index and eventually in cell death. The first step in subculturing is to detach cells from the surface of the primary culture vessel by trypsinization or mechanical means. The resultant cell suspension is then subdivided, or reseeded, into fresh cultures. Secondary cultures are checked for growth and fed periodically, and may be subsequently subcultured to produce tertiary cultures. The time between passaging of cells varies with the cell line and depends on the growth rate.

Video Link

The video component of this article can be found at <https://www.jove.com/video/755/>

Protocol

The complete text protocol for this experimental approach is available in [Current Protocols in Cell Biology](#).

Disclosures

The authors have nothing to disclose.