

Cell Growth Rates in the M16 Plate

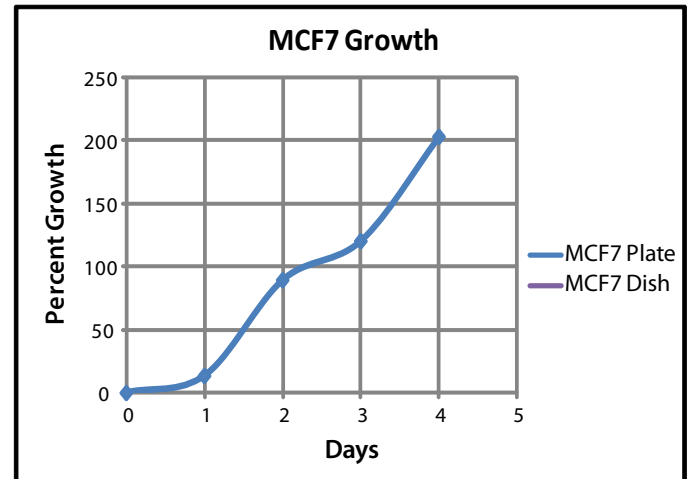
Cells cultured in the M16 plate chambers grow at a rate similar compared to traditional culturing methods. Below are images and their corresponding cell counts of MCF-7, PC-3, and NIH 3T3 cells grown over a four day period in a standard 5% CO₂ incubator fed via gravity flow.

MCF-7 Cells

Normal Doubling Time: 29 hours¹

Doubling Time in Chamber: 30.7 hours

1. HTB-22 Product Description. ATCC: The Global Bioresource Center. Retrieved August 10, 2009, from <http://www.atcc.org/ATCCAdvancedCatalogSearch/ProductDetails/tabid/452/Default.aspx>

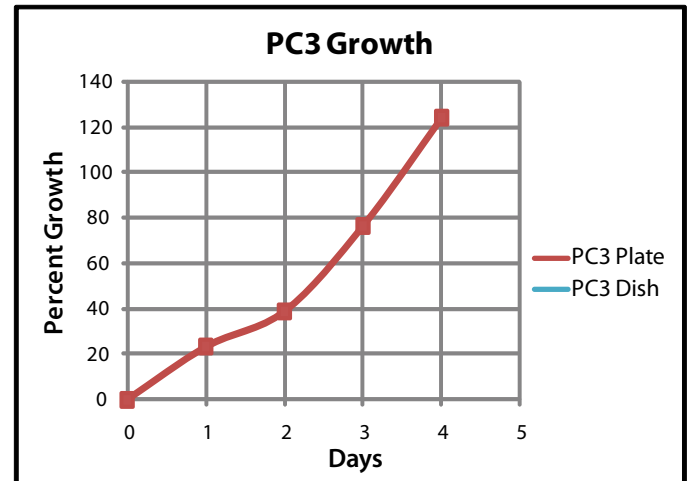
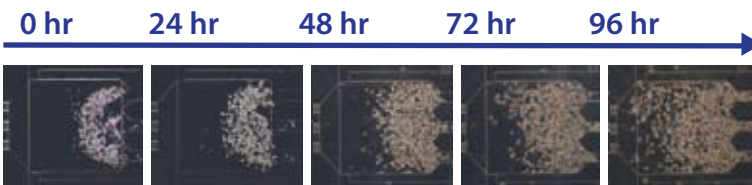


PC-3 Cells

Normal Doubling Time: 38.5 hours²

Doubling Time in Chamber: 41.4 hours

2. Hanigan, M. H., et. al. γ -glutamyl transpeptidase accelerates tumor growth and increases the resistance of tumors to cisplatin in vivo. *Carcinogenesis*. **20**: 553-559, 1999.



NIH 3T3 Fibroblast

Normal Doubling Time: 25.15 hours³

Doubling Time in Chamber: 35.39 hours

3. Tang, W.K. Oncogenic properties of a novel gene JK-1 located in chromosome 5p and its overexpression in human esophageal squamous cell carcinoma. *International Journal of Molecular Medicine*. **19**: 915-923, 2007

