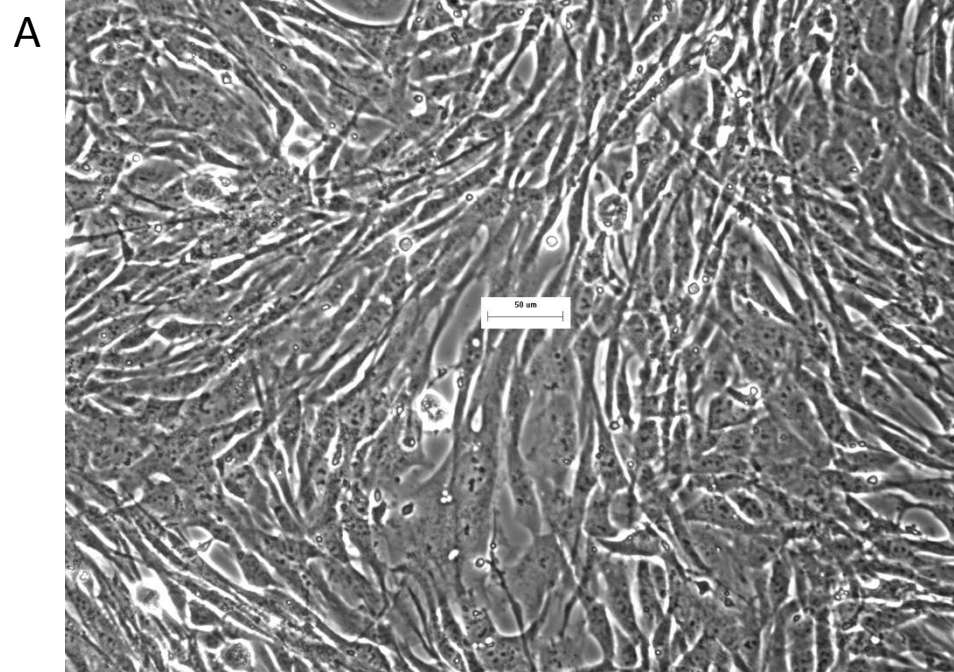
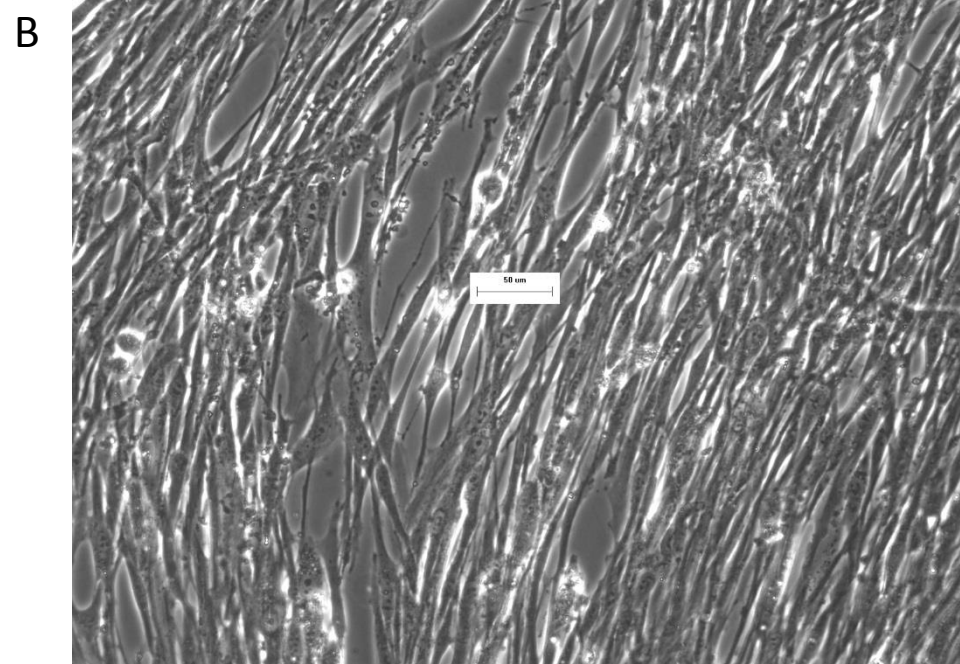


**Lung Adenocarcinoma
CAF07-AD**



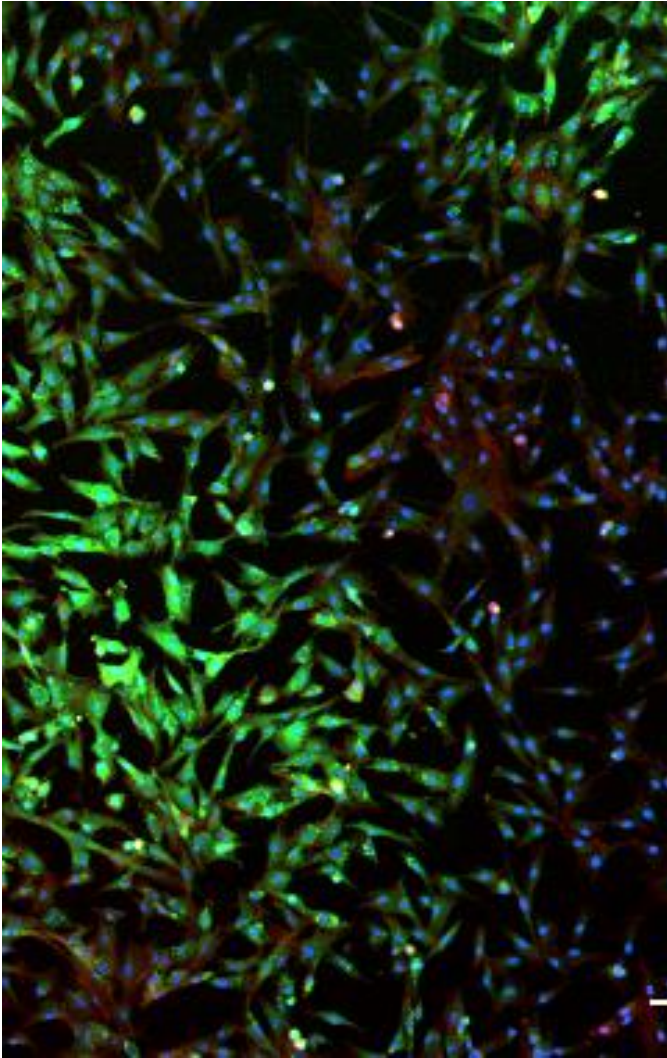
**Lung Squamous Cell Carcinoma
CAF07-S**



CAF07: Lung cancer-associated fibroblasts (Vitro Biopharma Cat. No. CAF07-AD&CAF07-S) were plated at 7,500/cm² in 2 Greiner Bio-One T75 flask and maintained in MSC-GRO low serum, complete medium (Vitro Biopharma Cat. No. SC00B1) in a reduced O₂ environment (1%O₂, 5%CO₂, 90%N₂) at 37°C in a humidified chamber. Pictures were collected of CAF07-AD (A) and CAF07-S (B) at 200x on Olympus CKX41. The CAFs were harvested and counted on a Beckman-Coulter Z2 particle counter (range 10-30uM). Doubling time for CAF07-AD of 23.7hrs and CAF07-S of 23.8hrs were calculated using $\ln(2 \cdot dT) / \ln(C_f / C_i)$, where dT is the time, in hours, from inoculation to detachment; C_i is the initial number of cells plated and C_f is the final number of cells recovered from subculture.

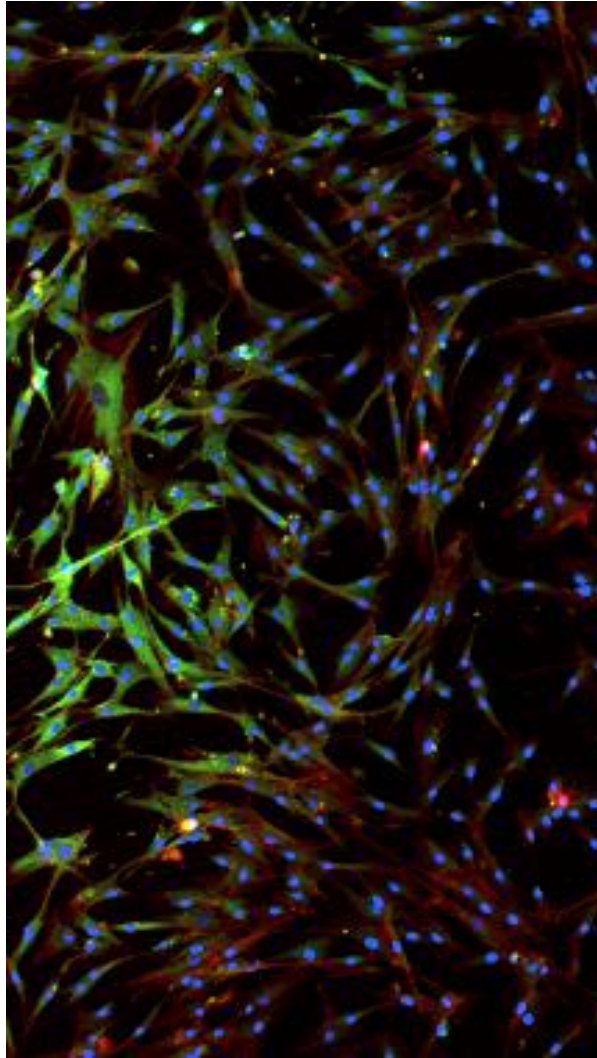
CAF07-AD

A



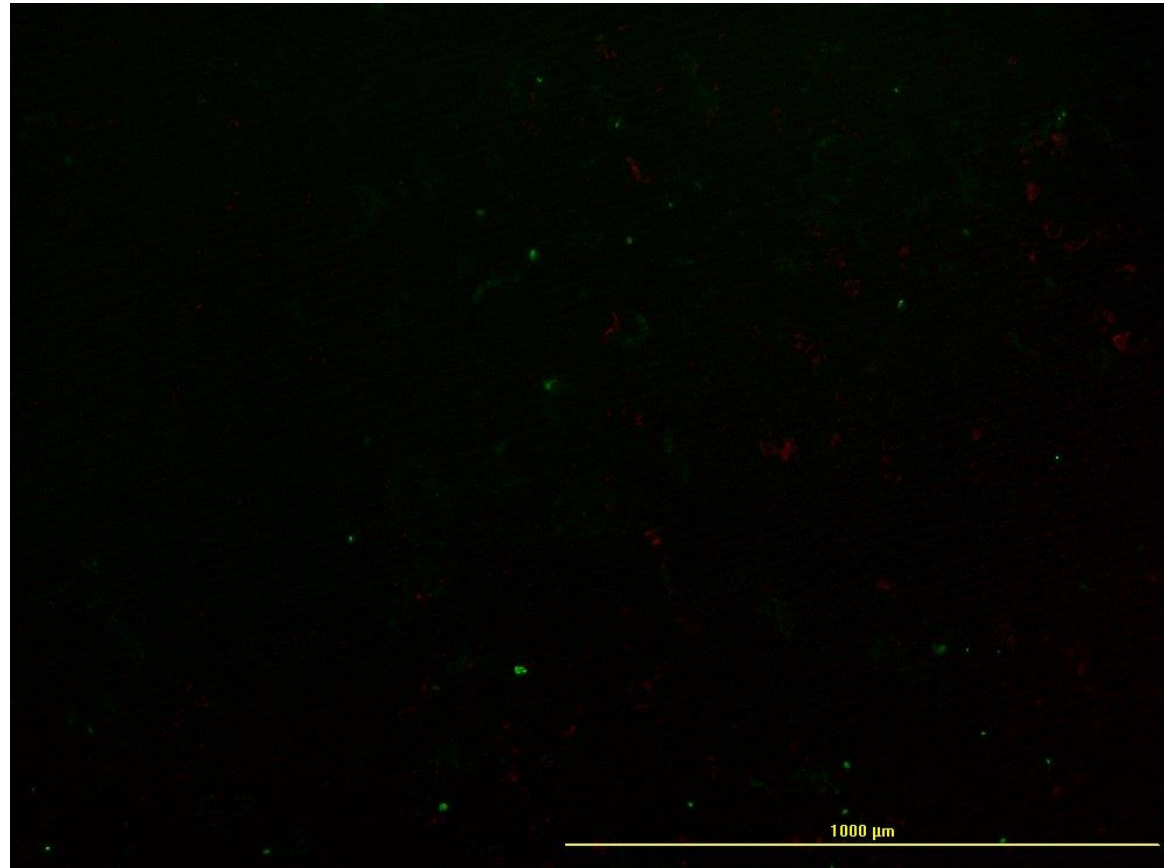
CAF07-S

B



CAF07: Lung cancer-associated fibroblasts (Vitro Biopharma Cat. No. CAF07-AD&CAF07-S) were plated at 5,000/cm² in a tissue cultured BD-Falcon 24 well plate and maintained in MSC-GRO low serum, complete medium (Vitro Biopharma Cat. No. SC00B1) in a reduced O₂ environment (5%O₂, 1%CO₂, 90%N₂) at 37°C in a humidified chamber. Cells were fixed and permeablized then stained with 3nM Rhodamine-Phalloidine, 50ng/mL Hoechst, and α-SMA (1:100). Pictures were collected by Cytation 3 using DAPI, FITC, and TRITC of CAF07-AD (A) and CAF07-S (B). Both lung CAFs were positive for α-SMA.

Nestin & β -catenin Expression in CAF07-S



CAF07-S: Squamous Cell Carcinoma Lung Cancer-Associated Fibroblasts (Vitro Biopharma Cat. No. CAF07-S) were plated at 5,000/cm² in a tissue cultured BD-Falcon 24 well plate and maintained in MSC-GRO low serum, complete medium (Vitro Biopharma Cat. No. SC00B1) in a reduced O₂ environment (1%O₂, 5%CO₂, 90%N₂) at 37°C in a humidified chamber. Cells were stained with 1:20 β -catenin Smart-Flare and 5 μ g/mL Nestin, live-cell imaging was collected by Cytation 3 using TRITC and FITC of CAF07-S. The squamous cell carcinoma CAFs were positive for the expression of β -catenin and Nestin.