INSTITUTE FOR CELLULAR ENGINEERING

Investigating the Effects of Cell Processing Techniques on Viability and Growth of *Taxus spp.* Suspension Cultures

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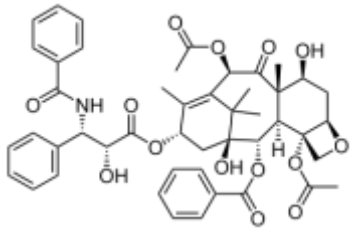
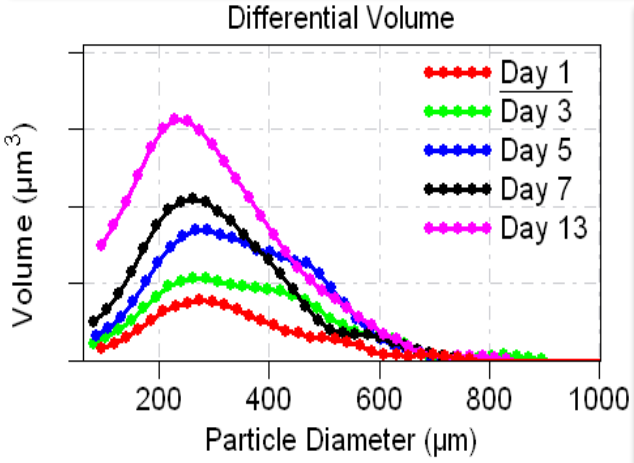
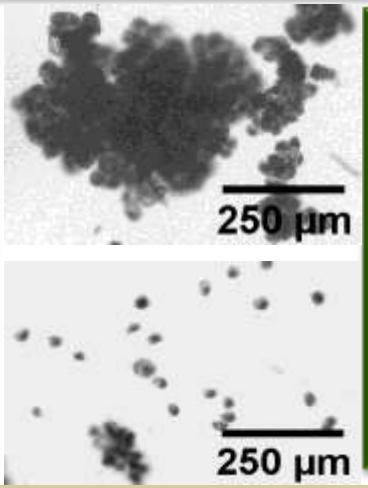
Paclitaxel is an anti-tumor agent used in the treatment of advanced ovarian and breast cancer that is industrially produced using *Taxus spp.* suspension cultures. In our lab, processing techniques are being developed to select for high paclitaxel producing cells with conditions optimized for cell viability and growth post-processing.



Paclitaxel



A Beckmann Coulter Counter was utilized to analyze cell growth and aggregate size in different pH media solutions.



Microscopy was used to determine the effect of aggregate size on the digestion of aggregates into single cells. Viability was analyzed using fluorescence microscopy.

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