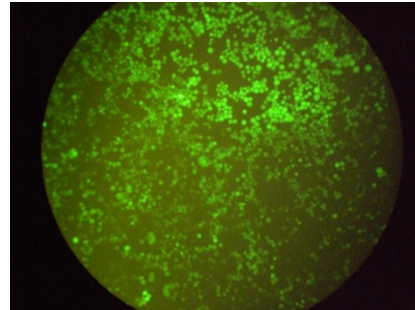


# Project / Master Thesis

## biology / bioengineering

### Effect of oxidative stress on the production of baculovirus vHSGFP



#### Project description:

The virus vHSGFP is a recombinant of the baculovirus AcMNPV that contains the enhanced green fluorescent protein gene (*egfp*). AcMNPV is widely used as insect biopesticide and protein expression vector and was recently used to develop a vaccine against human papillomavirus. In general, to produce Baculovirus SF21-cells were used. On the one hand SF21-cells are suspected of having higher oxygen consumption in comparison to other animal cells, on the other hand baculovirus could be inactivated by a high oxygen concentration. In this work the production of the Baculovirus under various oxygen concentrations will be examined.

Type of work: experimental

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