

# AggreGuard™ boosts viral titre



Cell culture homogeneity improves when using AggreGuard™ (AG), leading to increased viral titre in a Vero cells eGFP-AAV model.

Cell-to-cell adhesion in microcarrier culture leads to a loss in culture homogeneity, even with good process control.

Loss of control = ↑ cell death and ↓ productivity

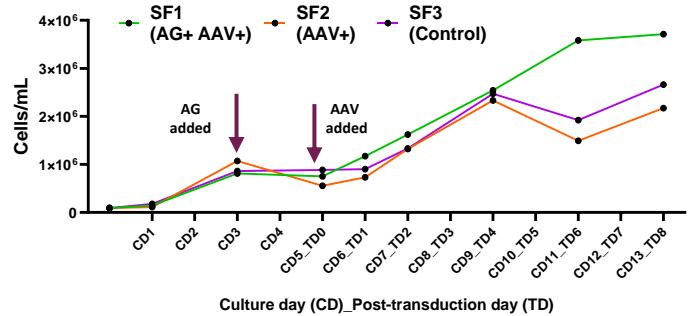
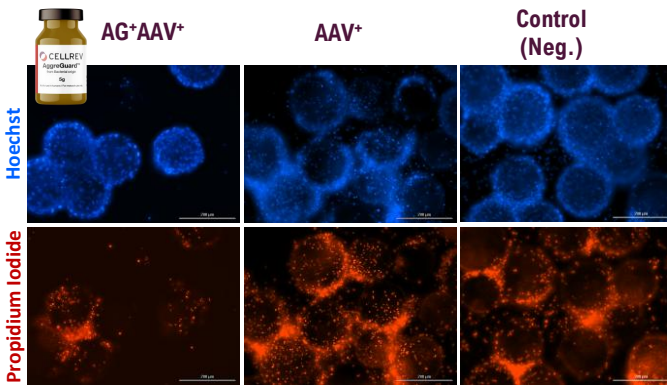


End of process (CD13\_TD8): Visual analysis (bottom of spinner flask).

## AggreGuard™ addition prevents aggregation in microcarrier-based culture.

\*AggreGuard™ use for 13 days of Culture in total

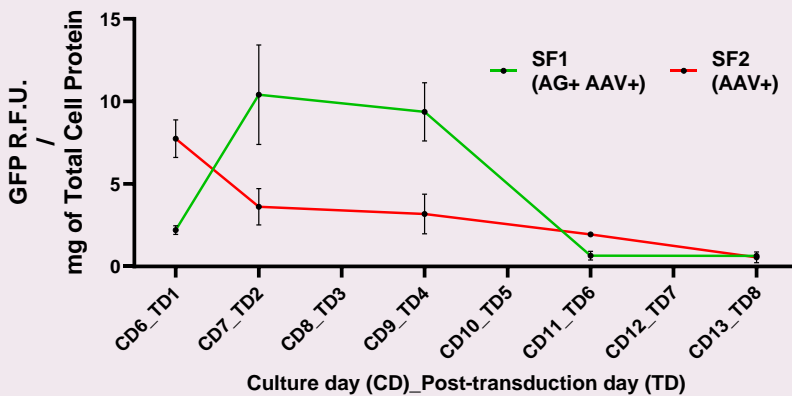
Daily Cell Counts (NucleoCounter NC-202)



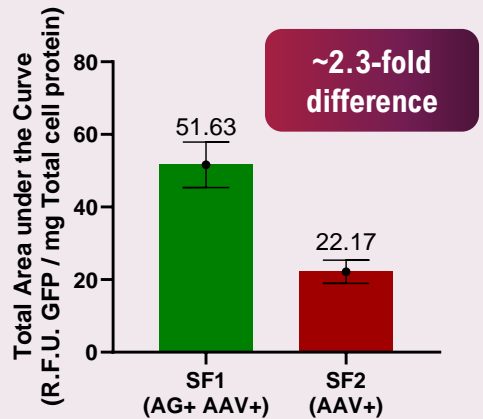
\*Vero cells cultured on Sartorius SoloHill® Plastic Plus microcarriers. Fed-batch; 25% media exchange every 48 hours. eGFP-AAV used at 10<sup>3</sup> MOI for AAV+ and AG+AAV+

The use of AG improved the stability of the intracellular eGFP-signal, resulting in >2-fold increase in total eGFP-signal over 6 days of culture post-transduction (TD).

### R.F.U. GFP Signal



### Total Area under the Curve



AggreGuard™ is available in 100mg and 500mg trial versions to enable risk-free evaluation.



CellRev provide media additives to optimise and intensify cell culture processes.

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