

Conventional GS system

Streamlined FACS protocol

Week 1

Split and transfect CHO-K1
(1 hour)



Transfer cells to 96-well plates
(2 hours)



Add MSX
(1 hour)



Week 2-3

Re-feed with MSX
(1.5 hours)



Week 4

Score clones and
screen for expression
(6 hours)



Transfer best clones to
48 well-plates
(2 hours)



Week 5

Repeat expression screen
on picked clones
(4 hours)



Week 6-7

Expand population
(4 hours)



Week 8

10^7 cells
(Total: 20.5 hours)

Split and transfect CHO-K1
(1 hour)



Add MSX
(10 minutes)



Two re-feeds with MSX
(20 minutes)



FACS for brightest 30%
of cells
(2.5 hours)



Expand population
(2 hours)



10^7 cells
(Total: 6 hours)