

FIG. 1

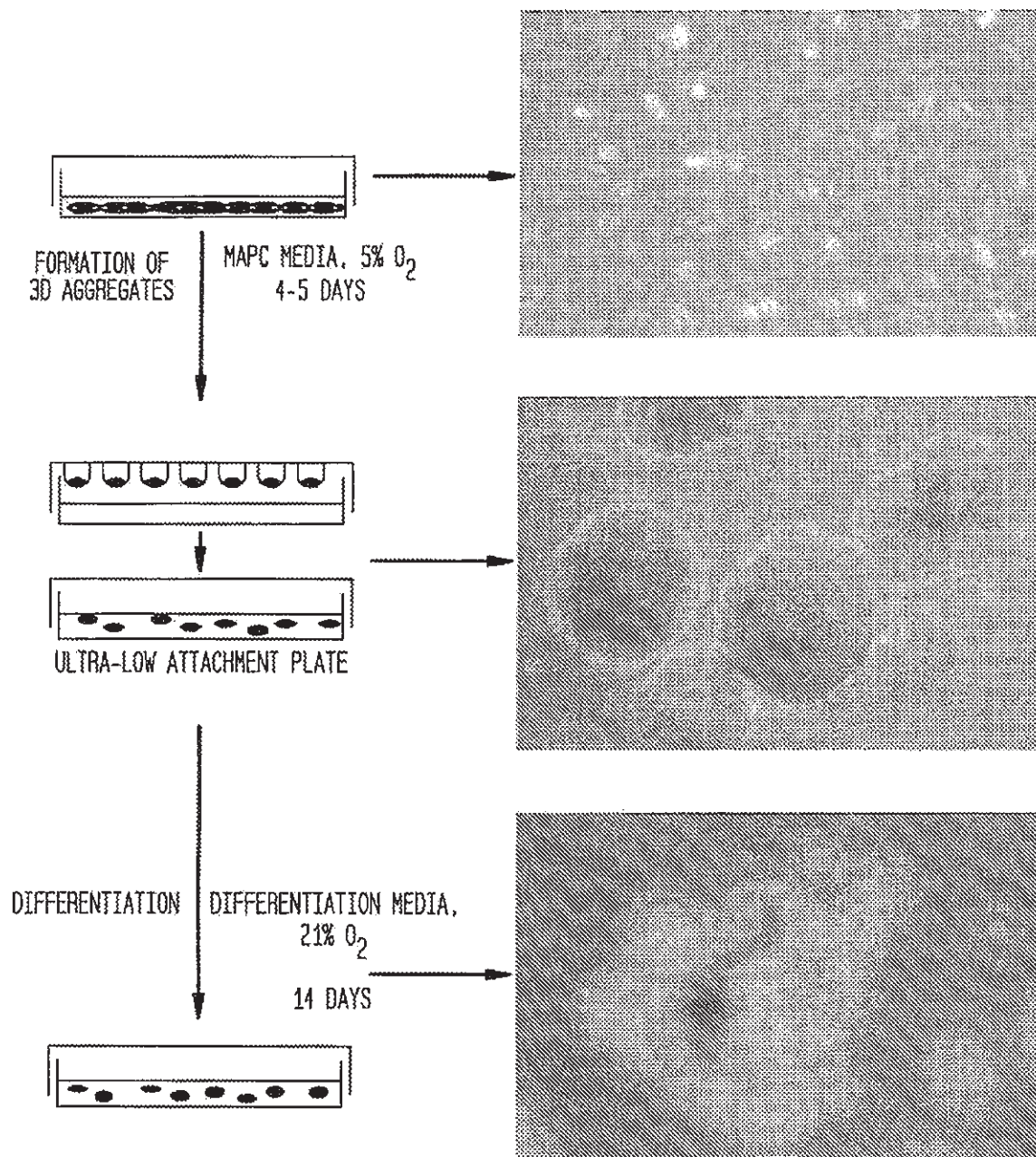
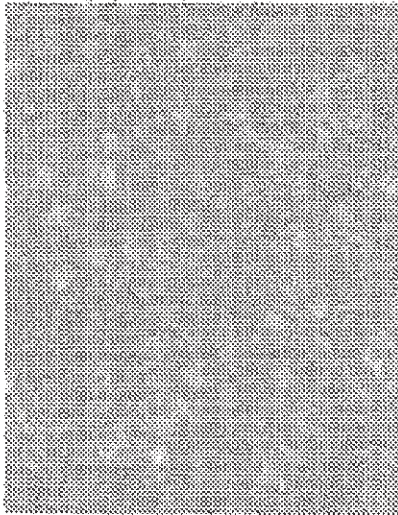
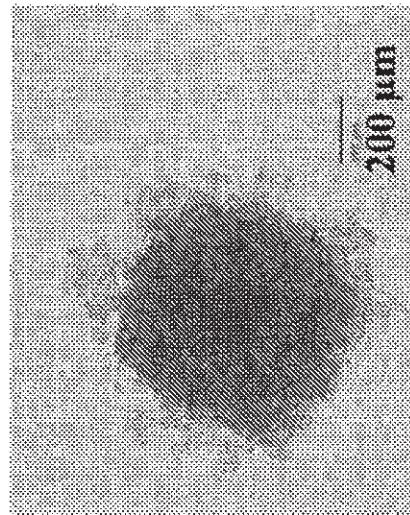


FIG. 2

HIGH OCT4 MAPC

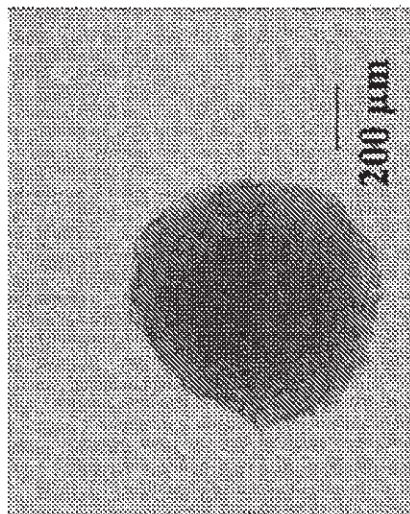


MAPC MEDIA
W/O LIF



MAPC AGGREGATES

MAPC MEDIA



DIFF. BASAL
MEDIA

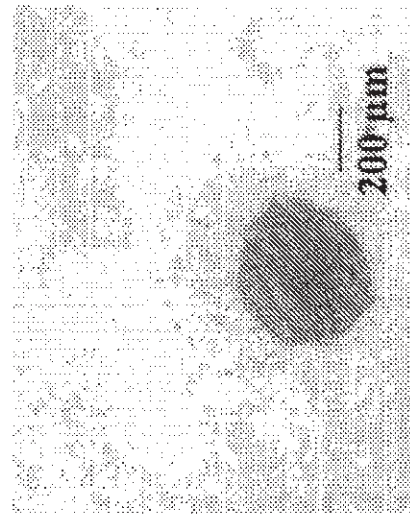


FIG. 3

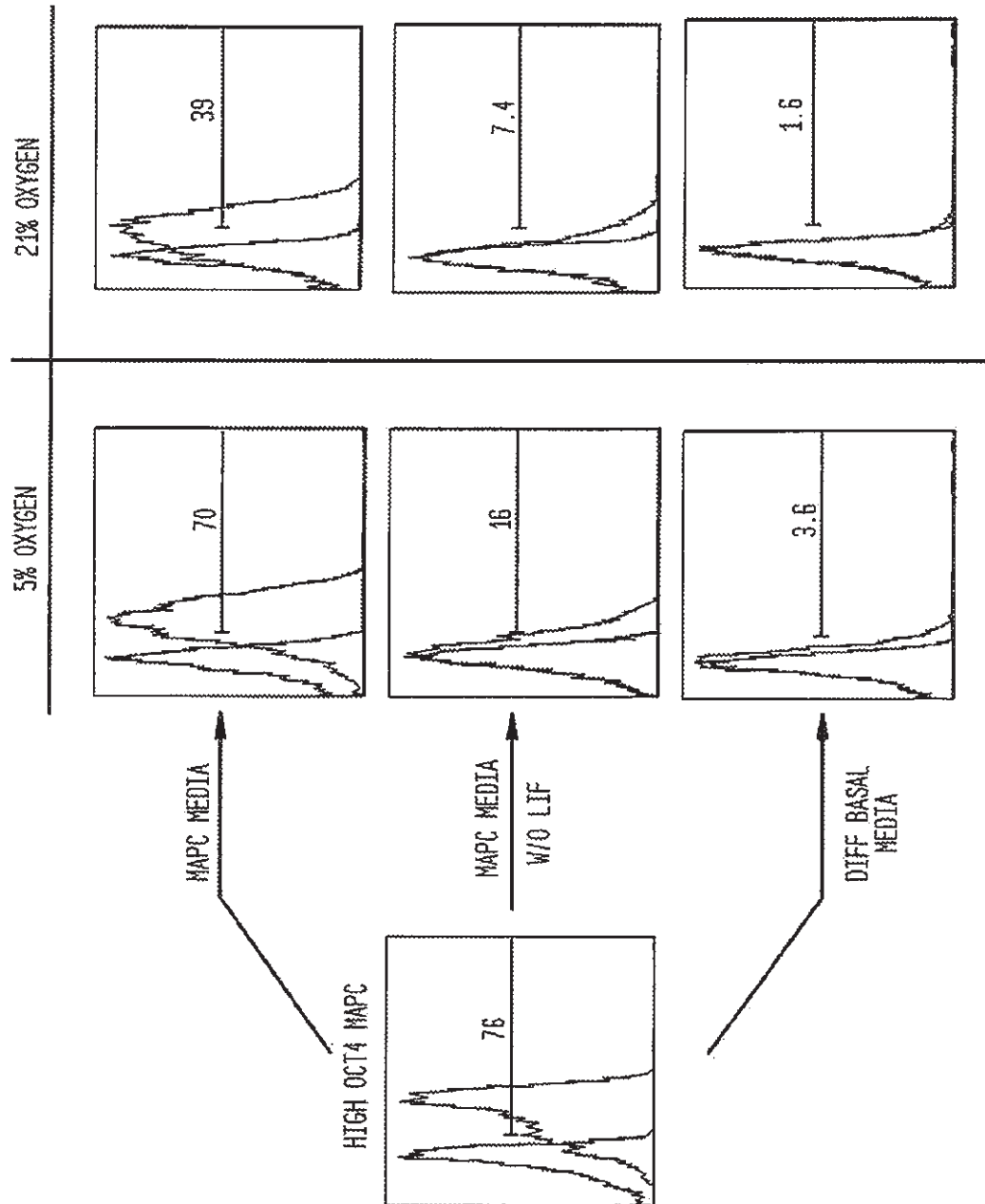


FIG. 4

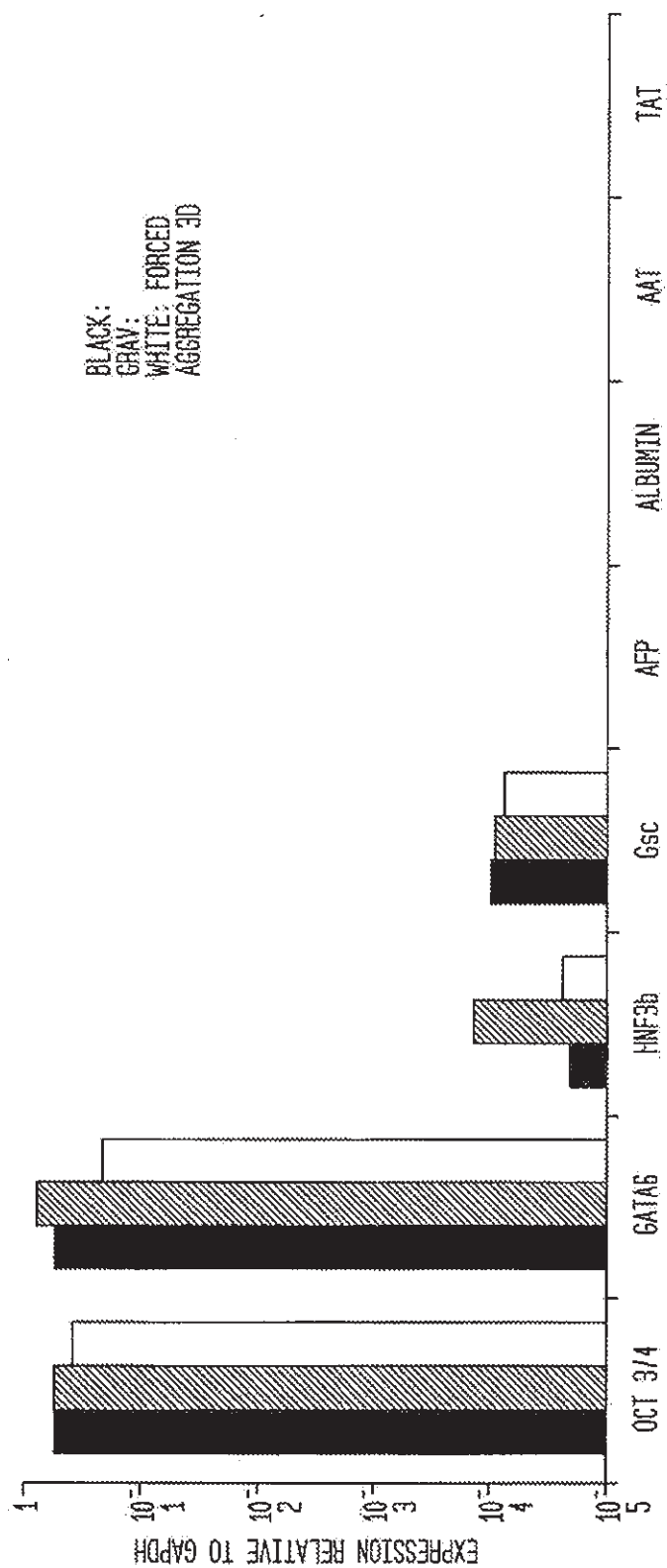
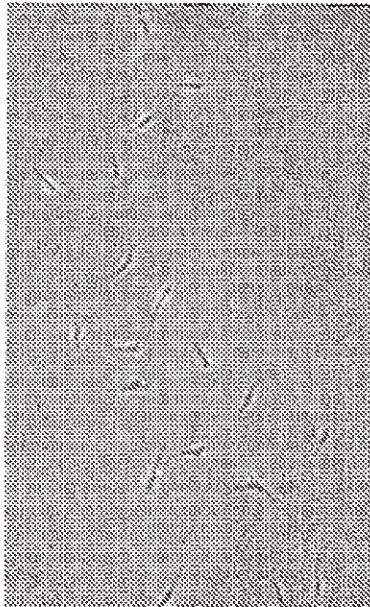


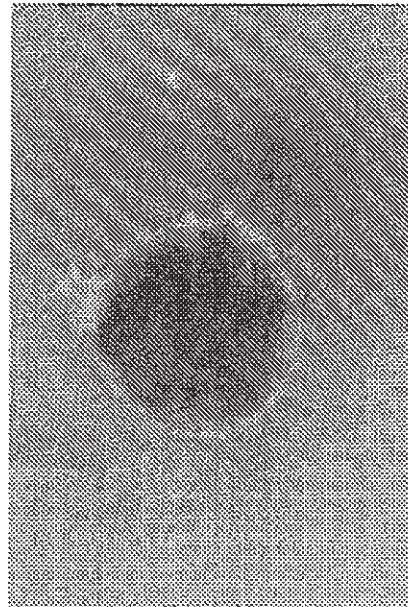
FIG. 5

LOW OCT4 MAPC

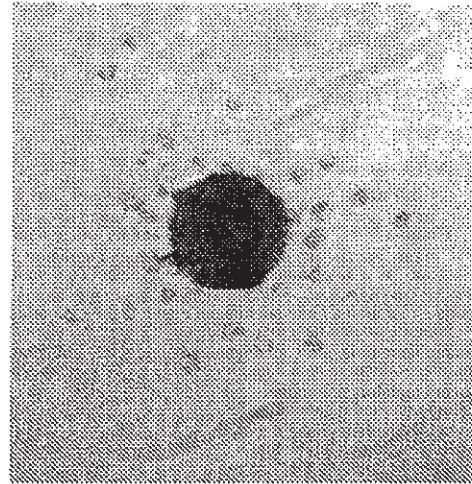


MAPC MEDIA, 5% O₂

LOW OCT4 MAPC AGGREGATE



- LOW OCT4 MAPC AGGREGATES WERE FORMED FROM 8000 CELLS AND TOOK 7 DAYS TO FORM.
- SIZE: ~150-200 μ m
- DIFFERENTIATED SPONTANEOUSLY TO DIFFERENT CELL TYPES



DIFF BASAL MEDIA,
21% O₂

FIG. 6

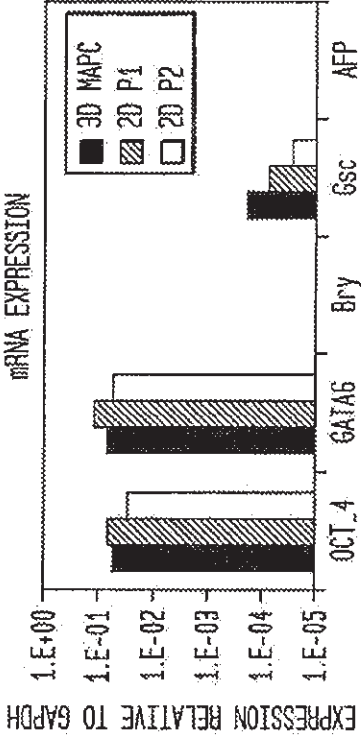
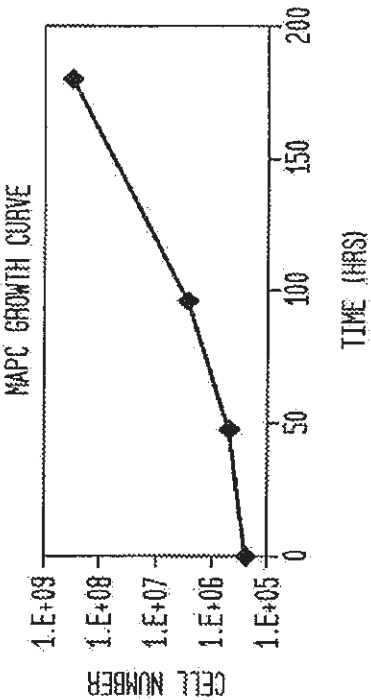
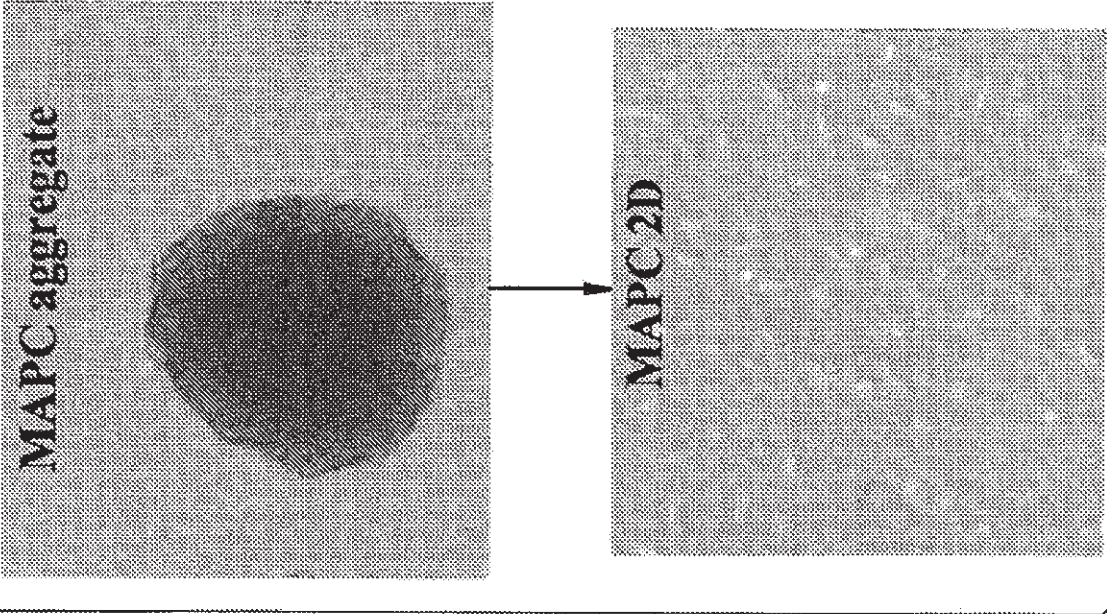


FIG. 7

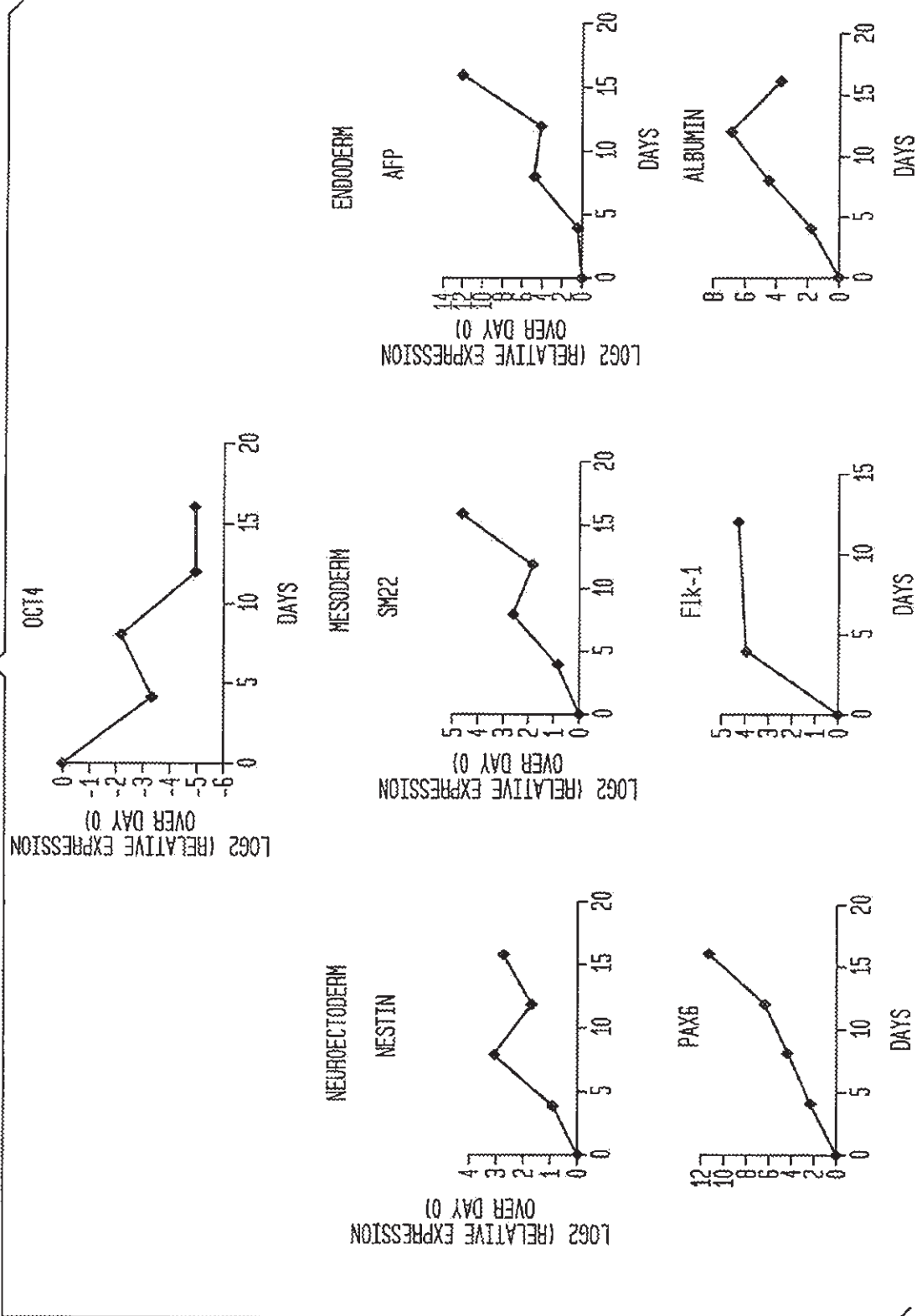


FIG. 8

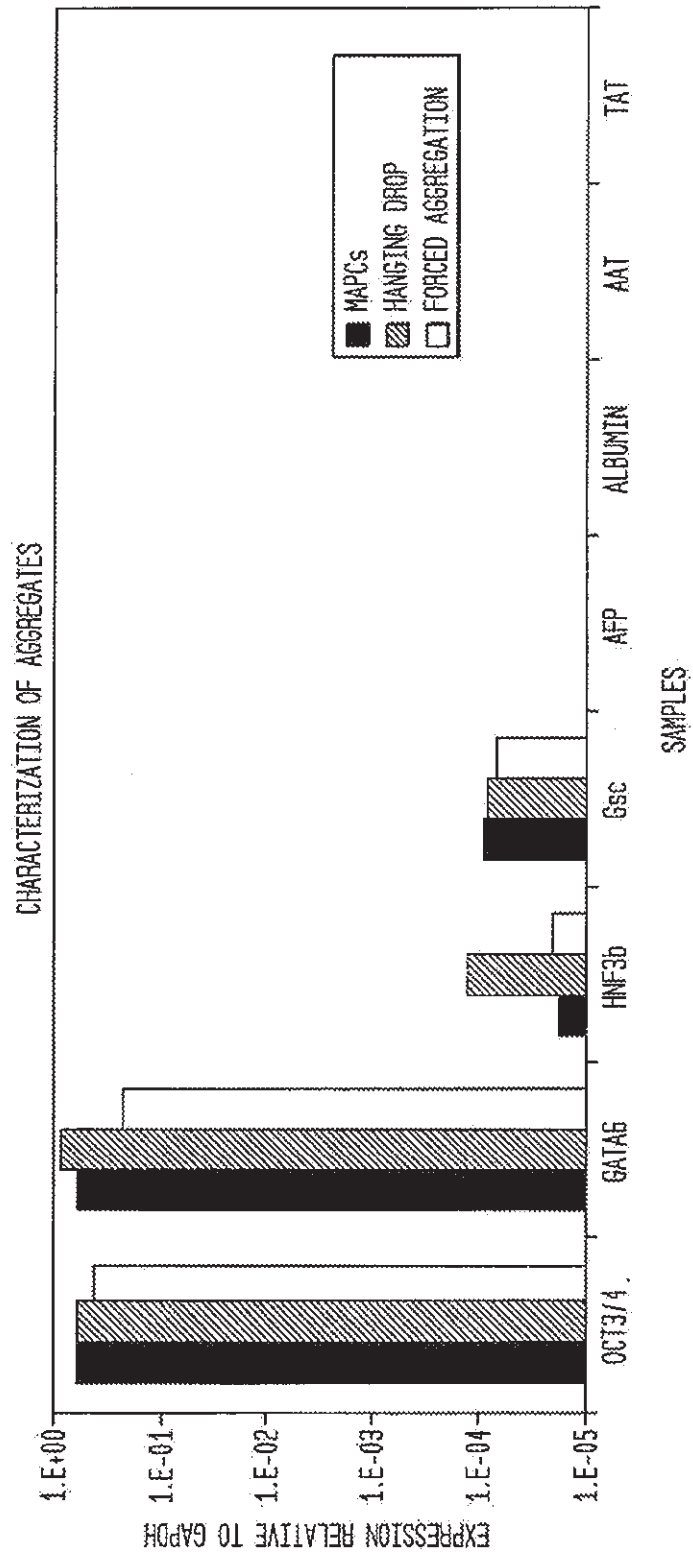
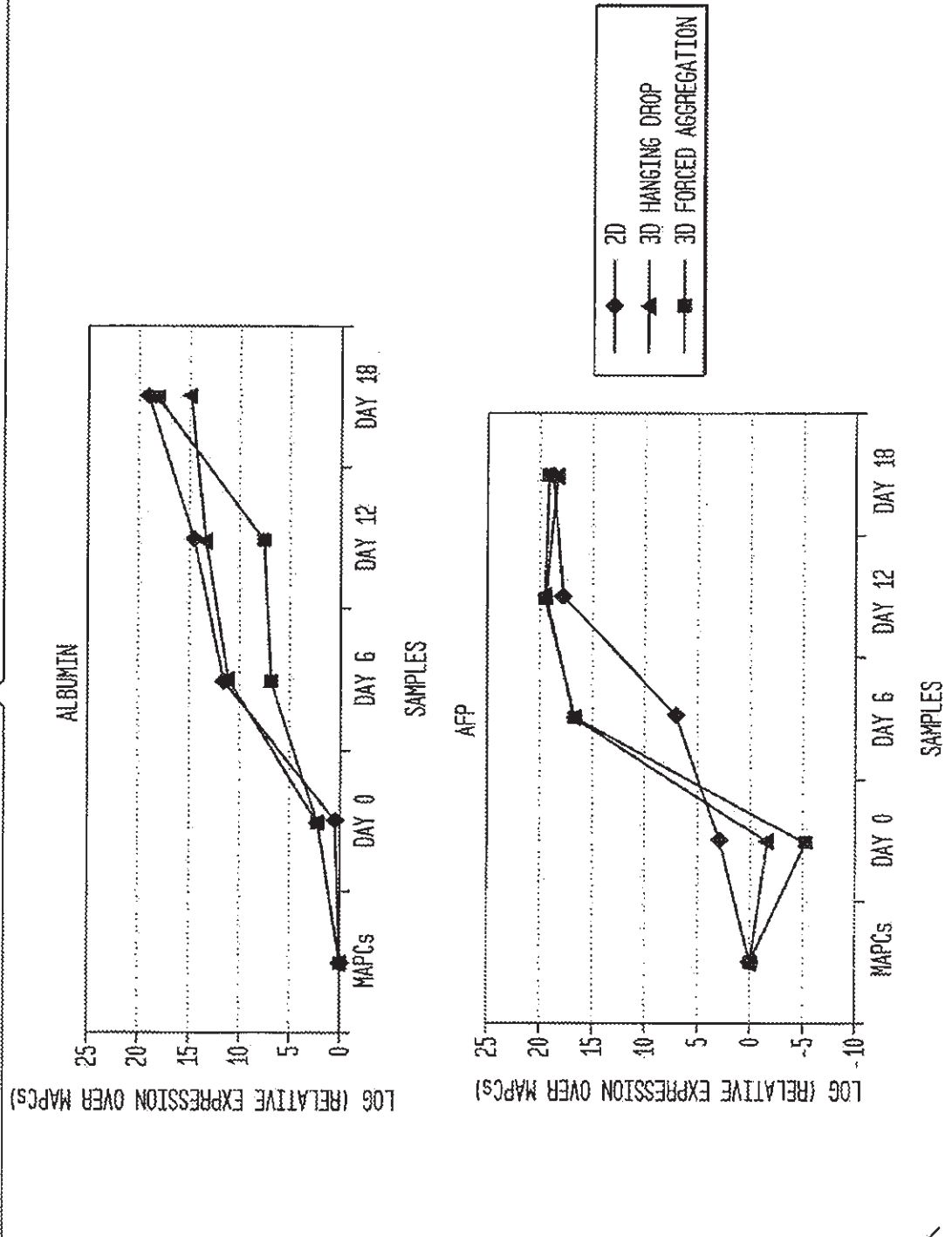


FIG. 9



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FIG. 10

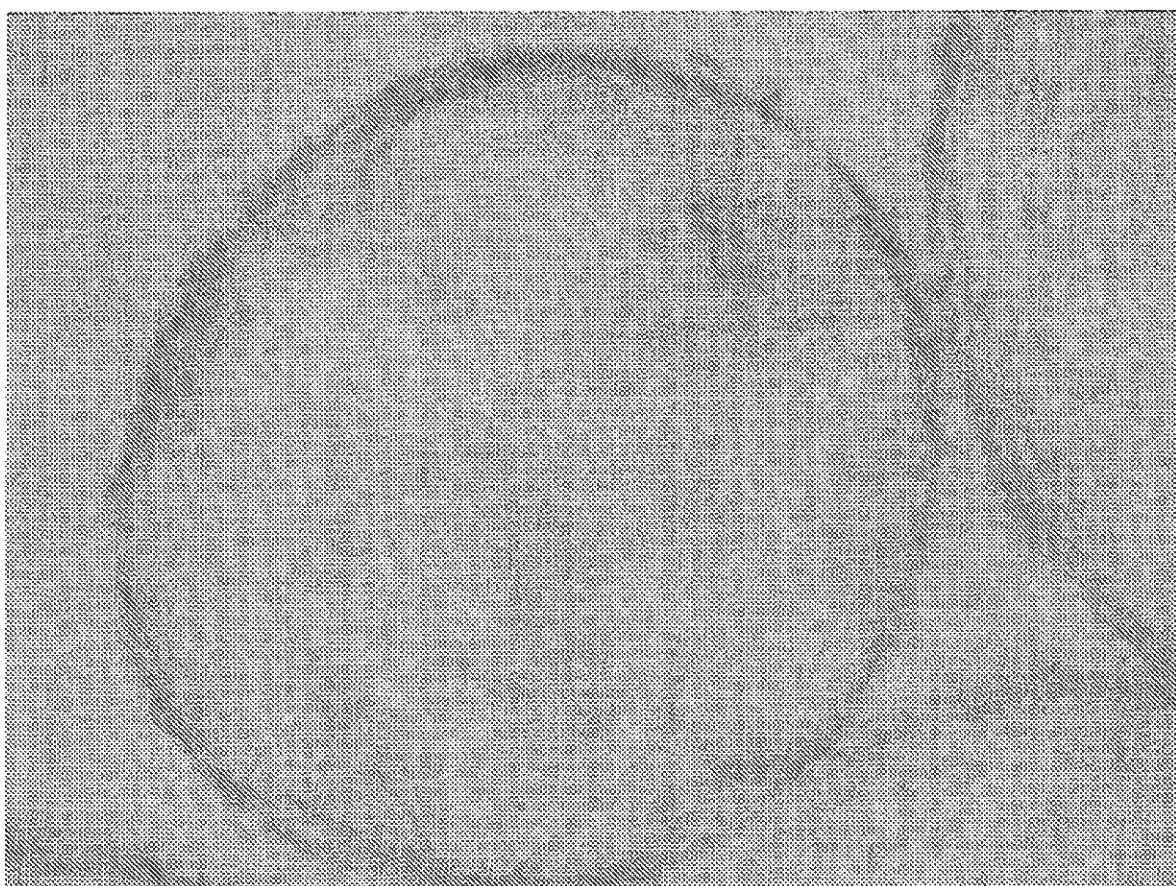


FIG. 11A

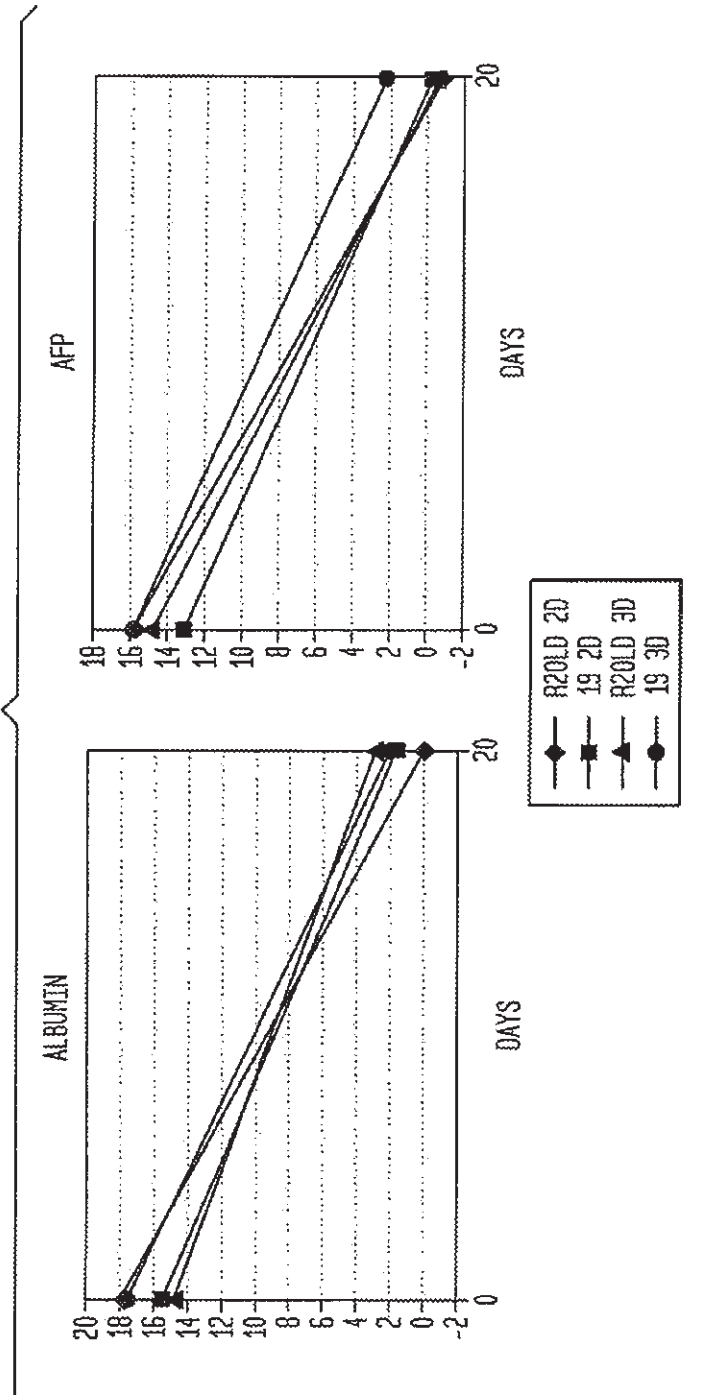


FIG. 11B

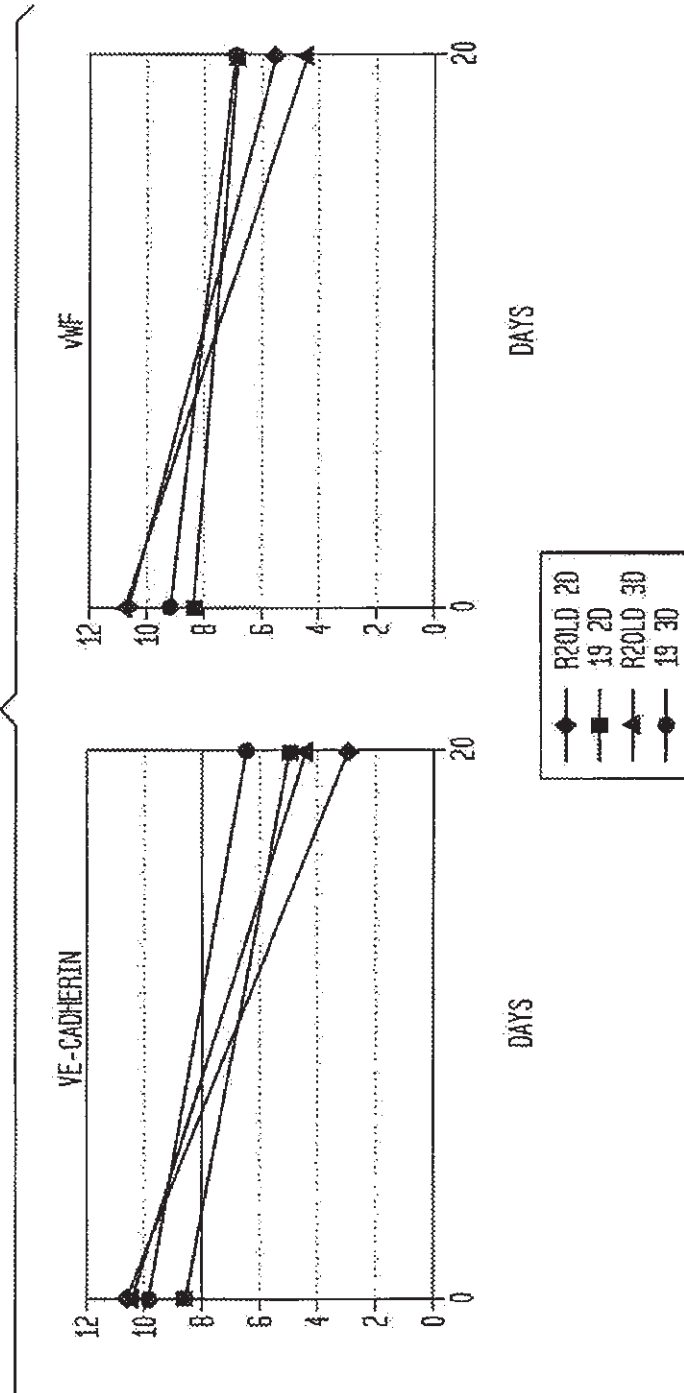
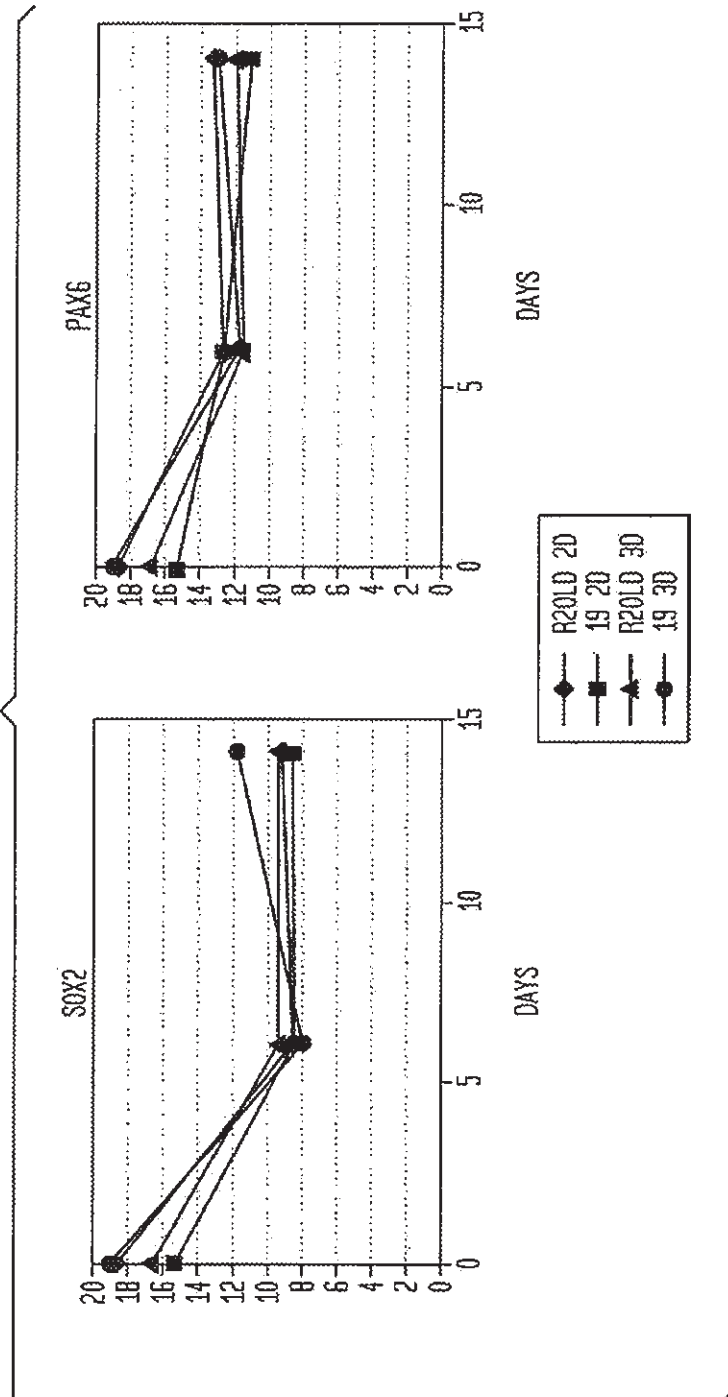


FIG. 11C



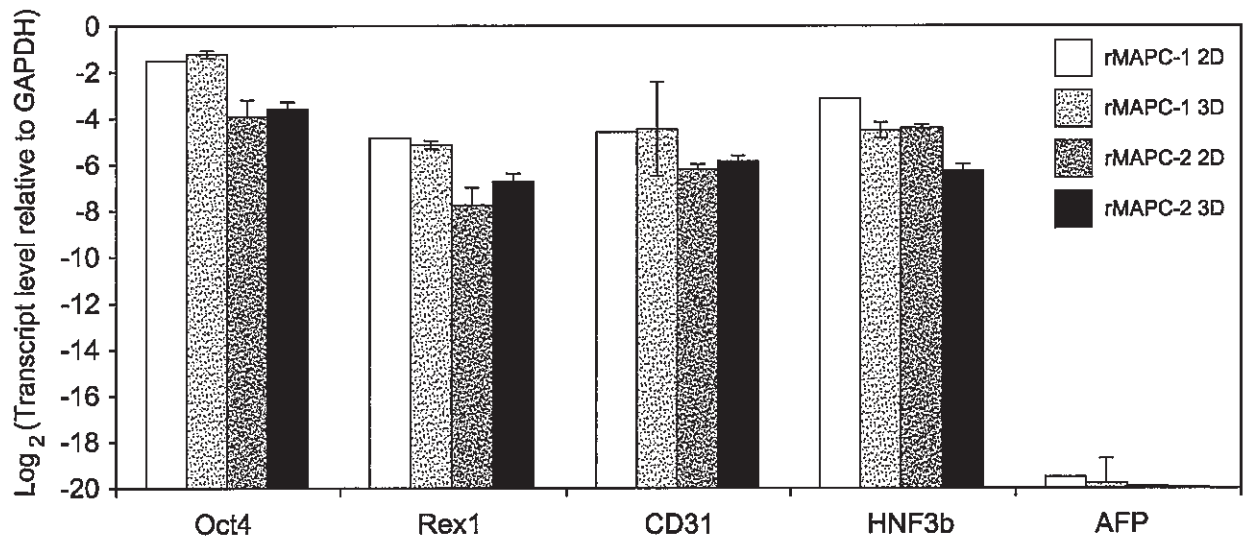


FIG. 12a

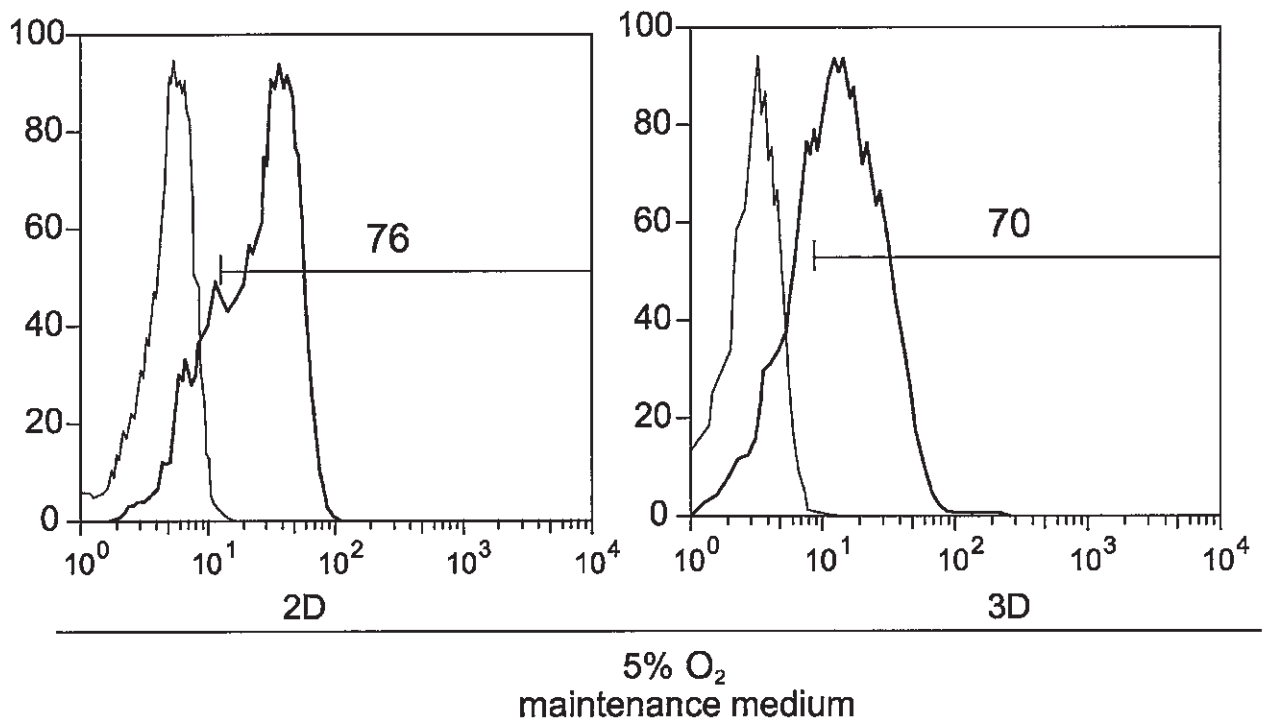


FIG. 12b

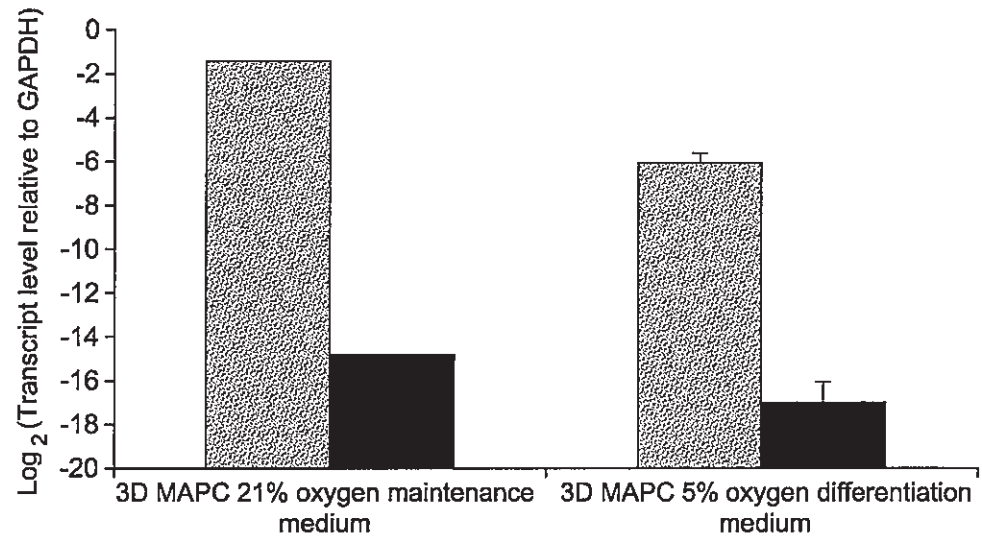


FIG. 12c

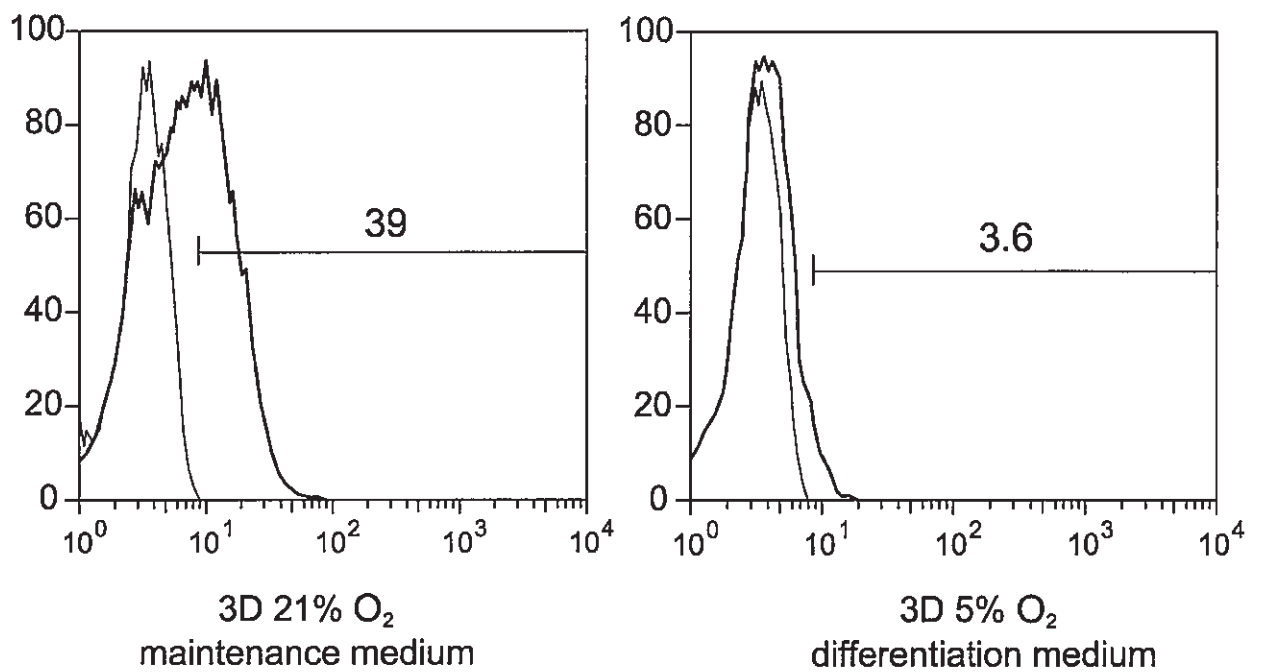


FIG. 12d

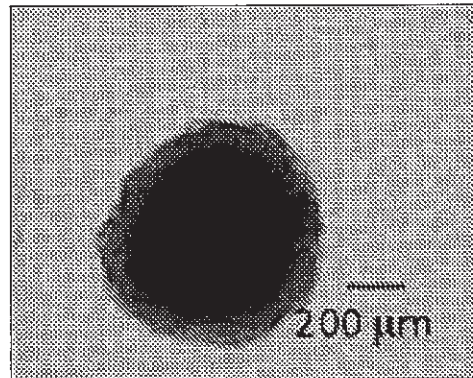


FIG. 13a

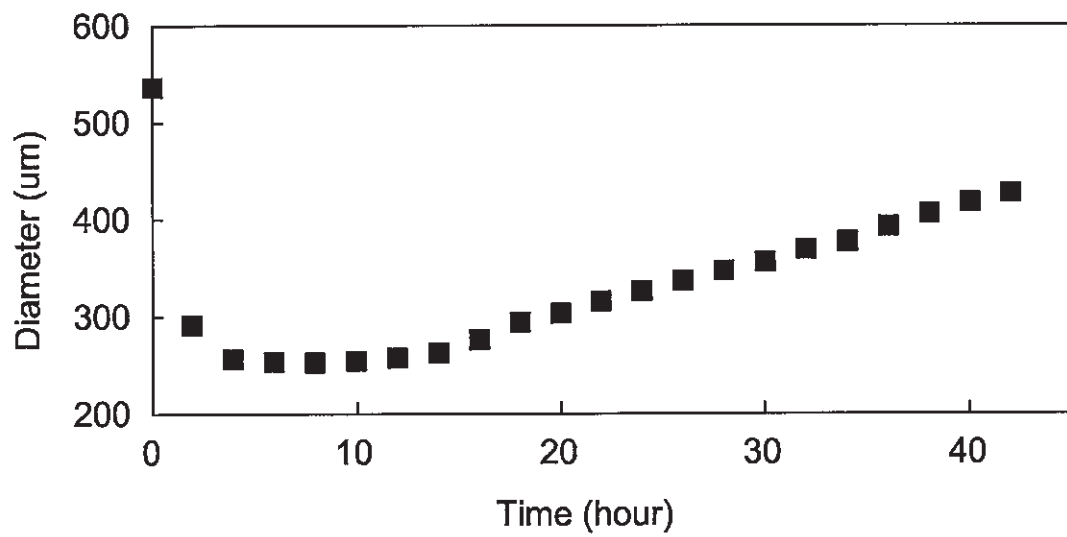


FIG. 13b

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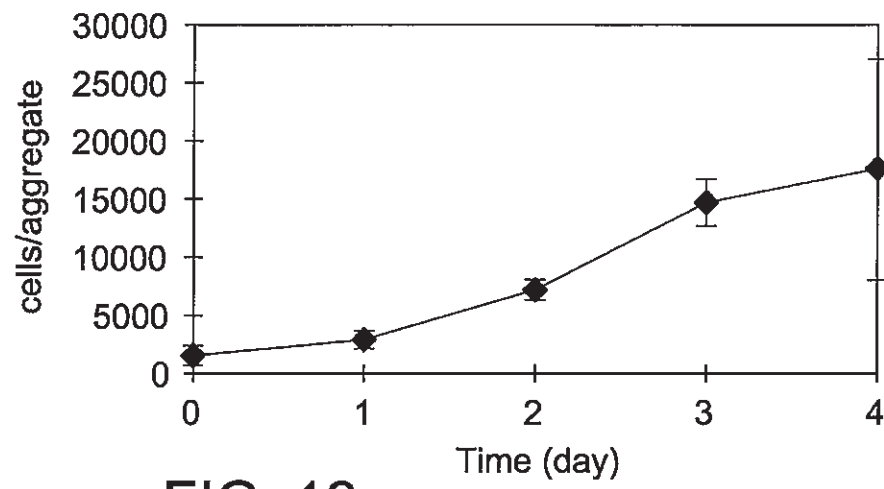


FIG. 13c

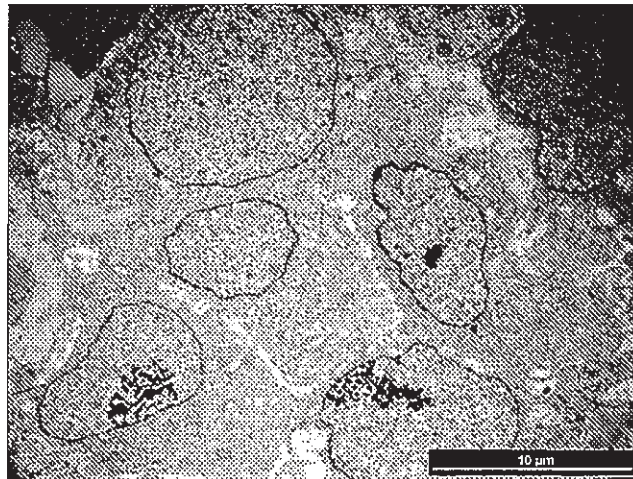


FIG. 13d

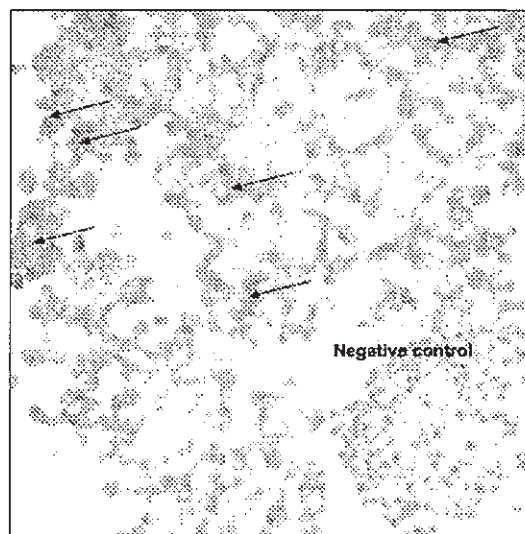


FIG. 13e

FIG. 14a

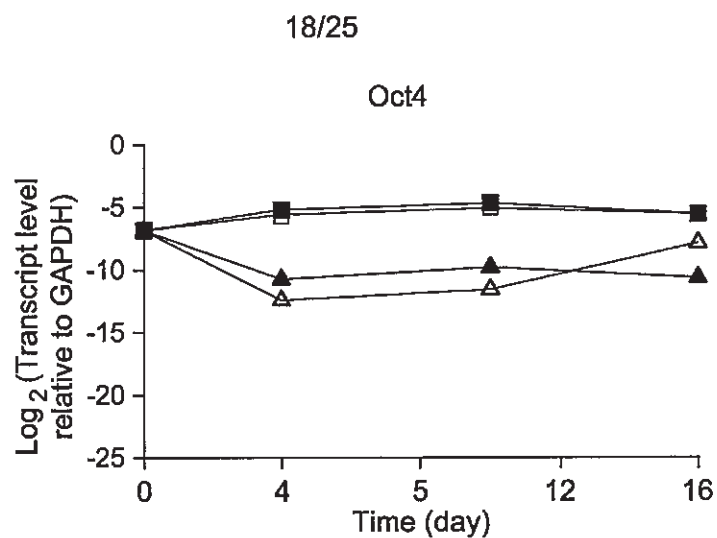


FIG. 14b

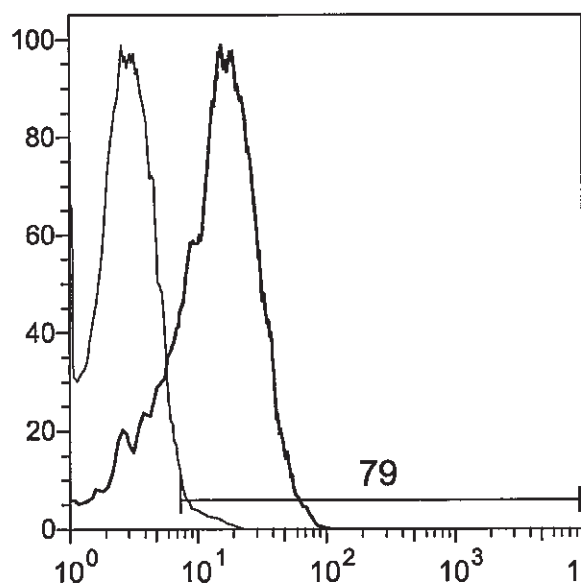
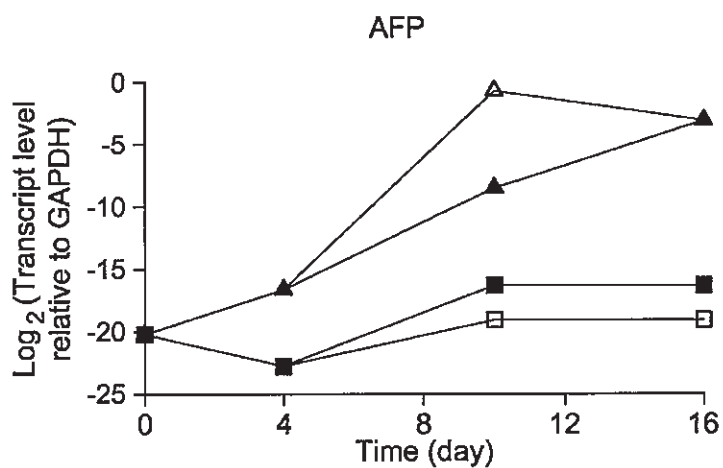


FIG. 14c

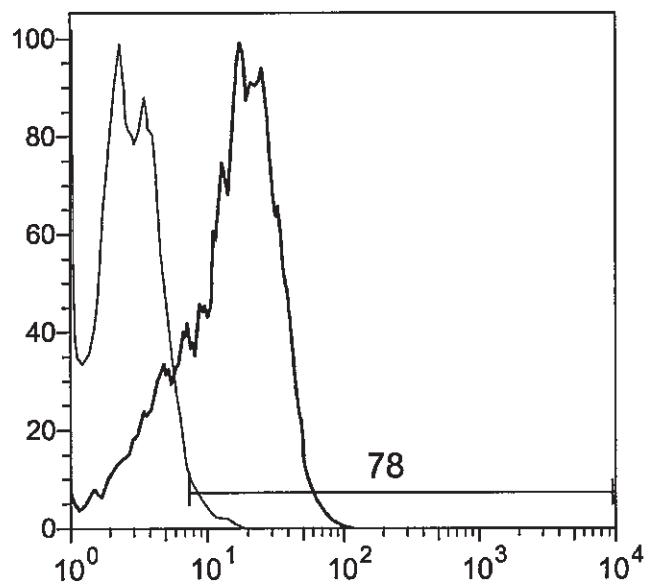


FIG. 14d

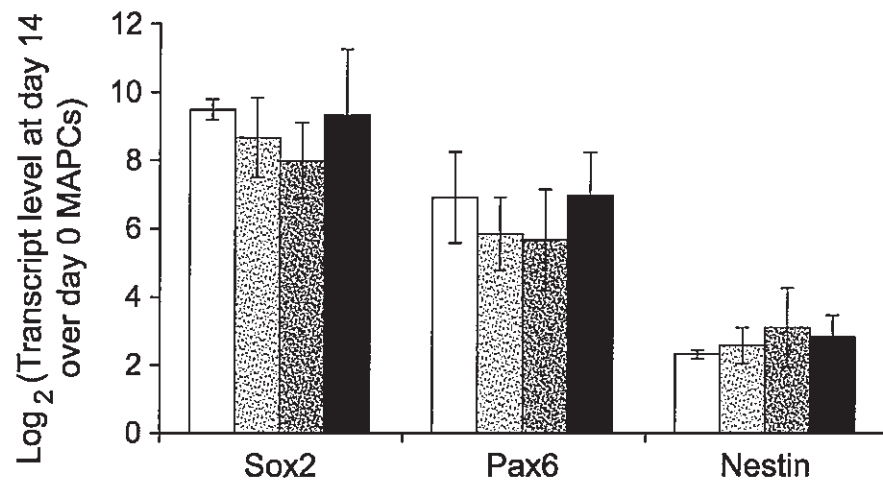


FIG. 15a

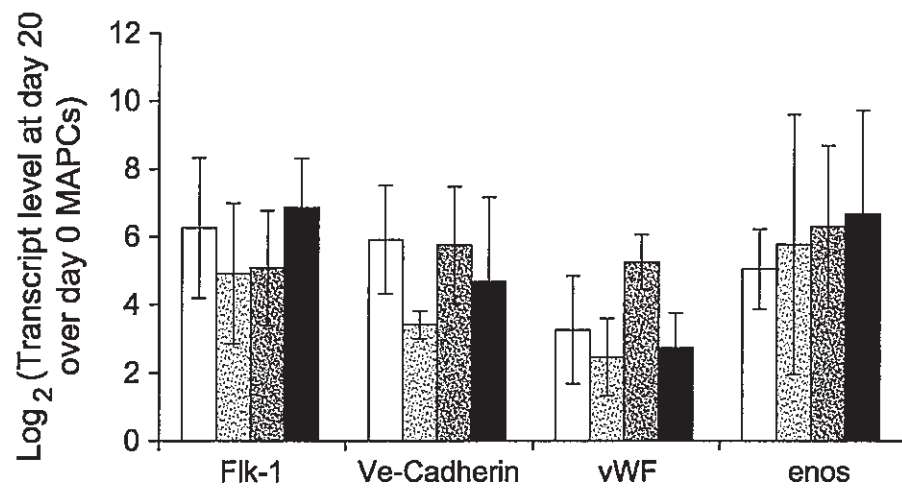


FIG. 15b

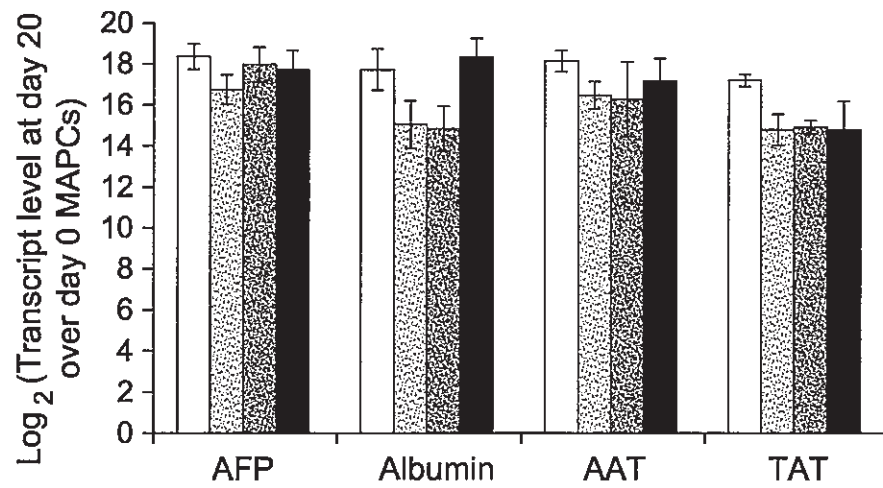


FIG. 15c

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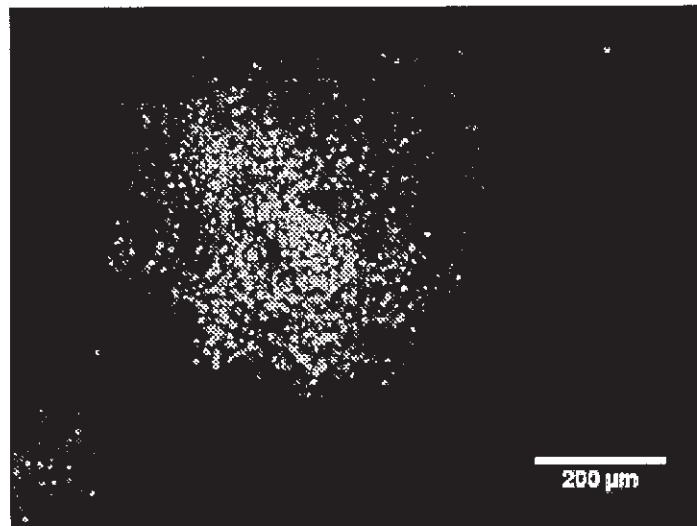
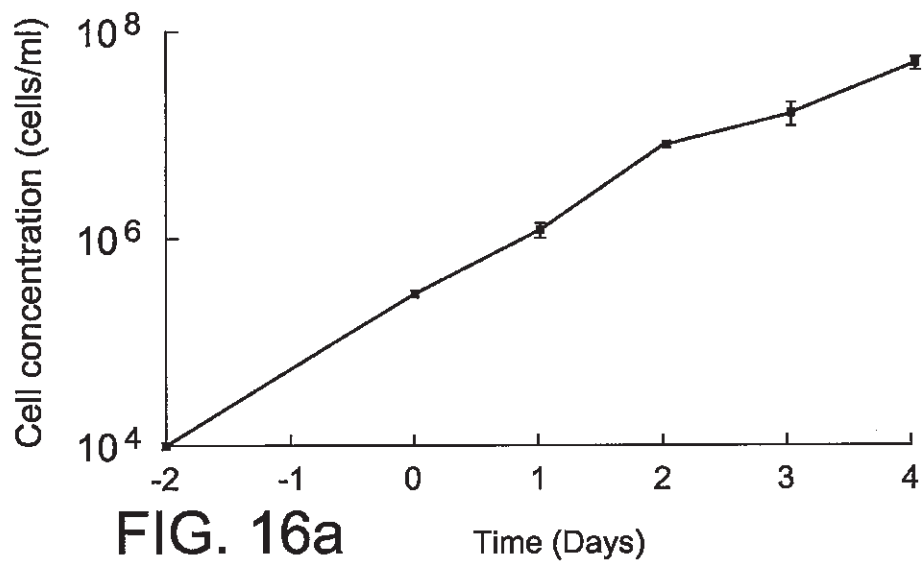
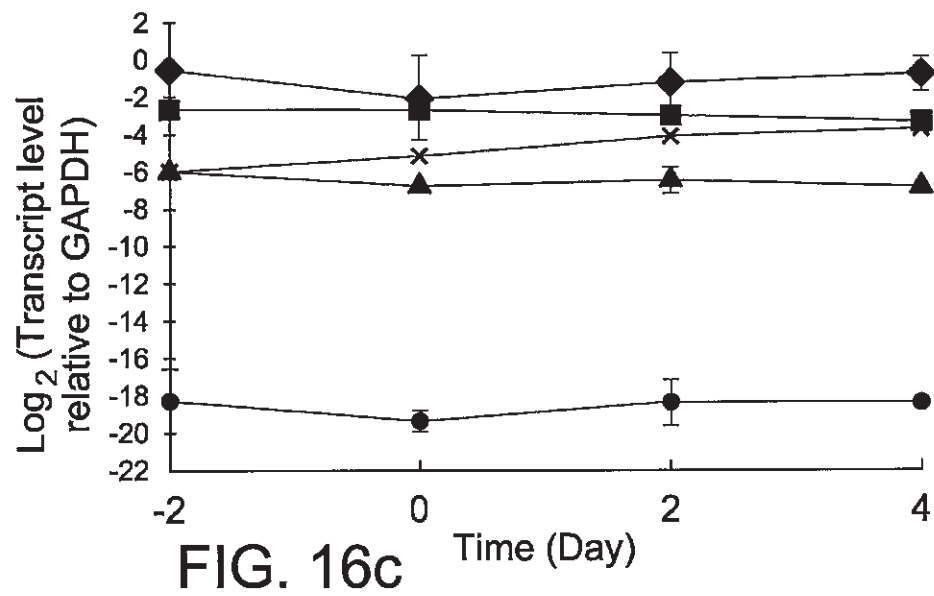


FIG. 16b



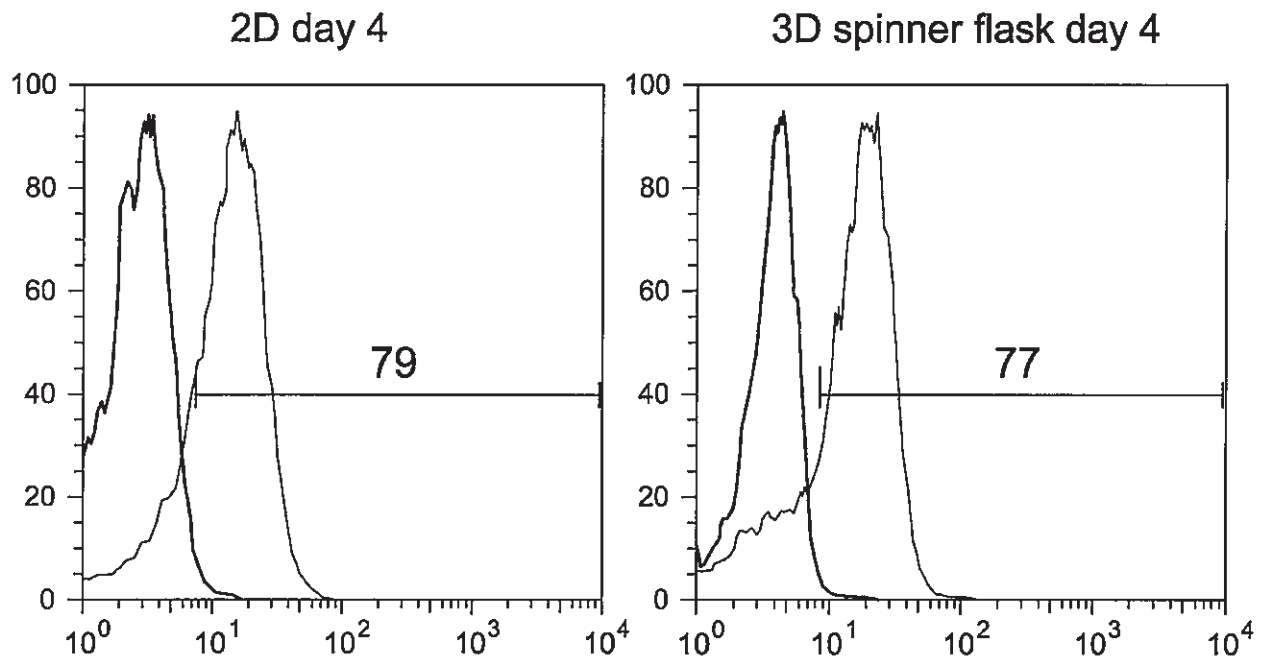


FIG. 16d

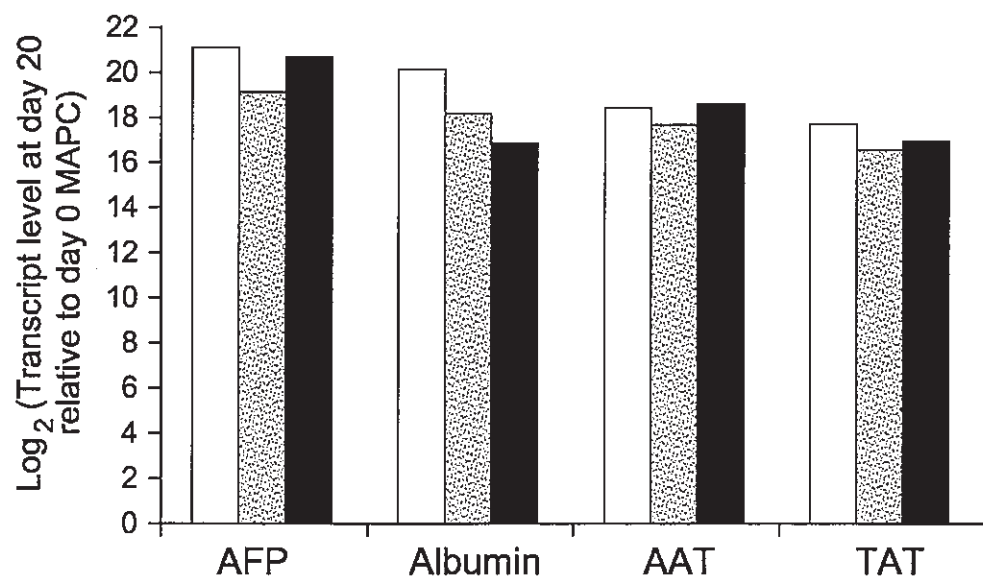


FIG. 16e

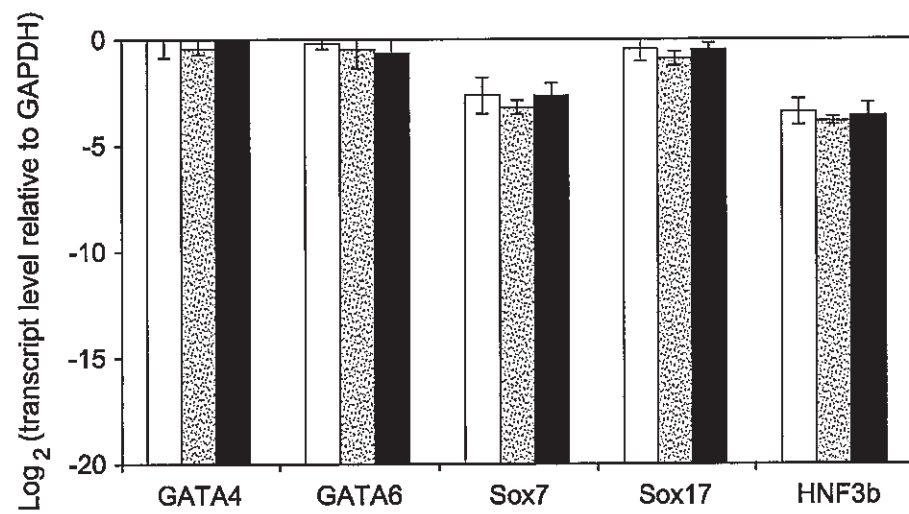


FIG. 17

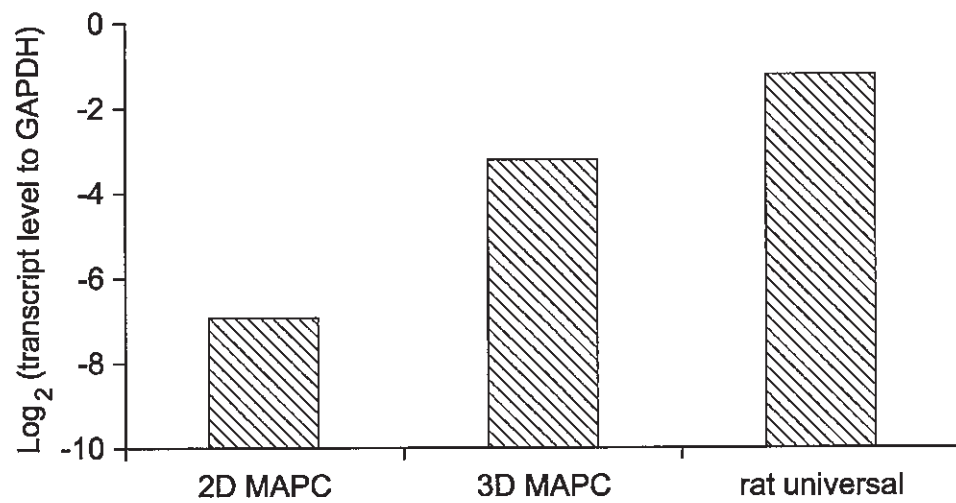


FIG. 18a

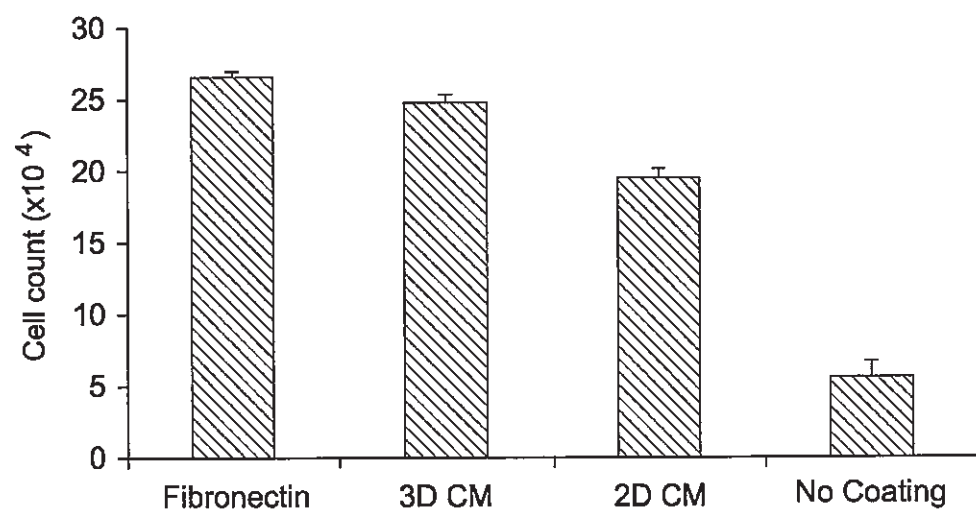


FIG. 18b

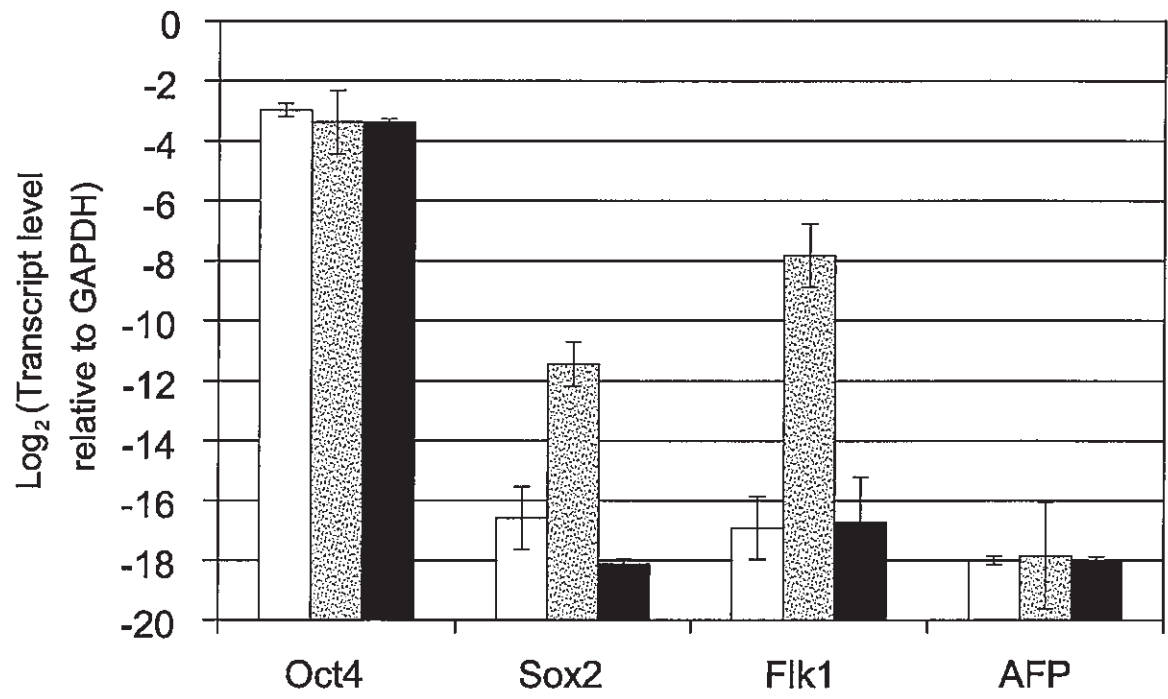


FIG. 19a

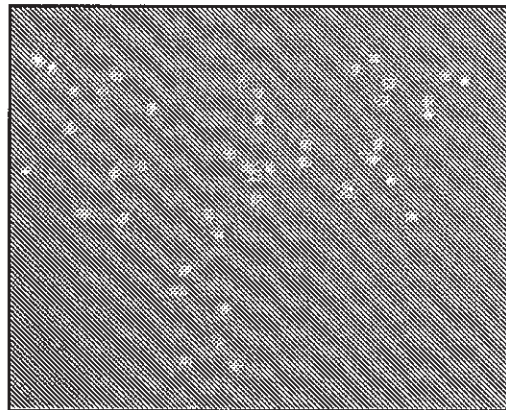


FIG. 19b

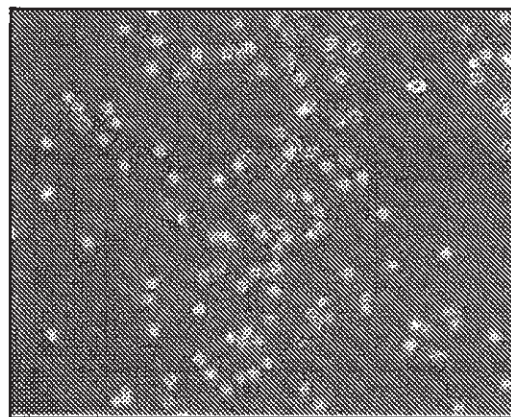


FIG. 19c

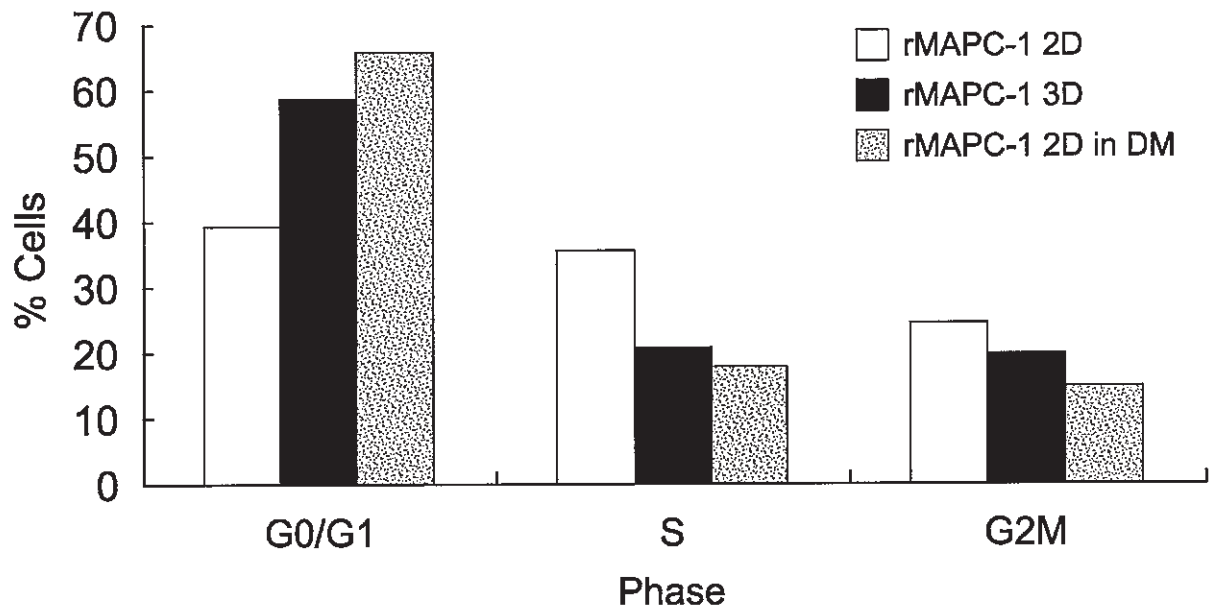


FIG. 20

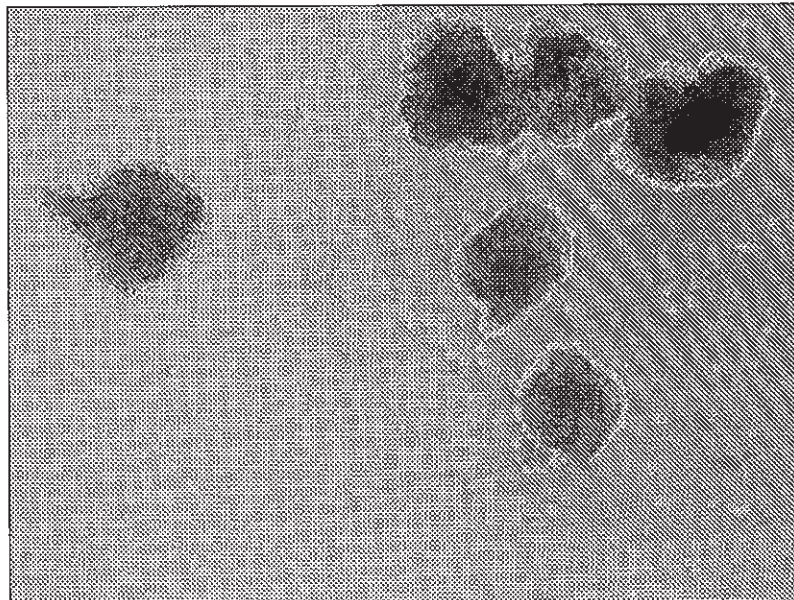


FIG. 21

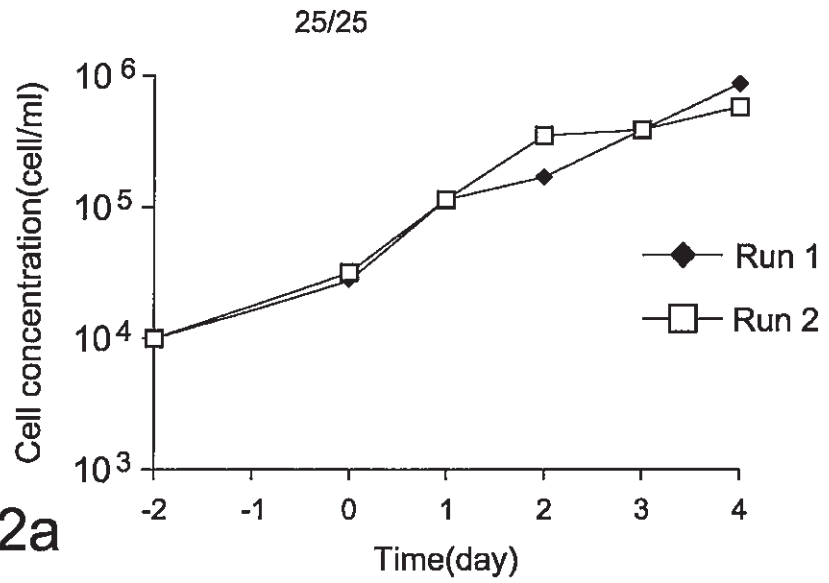


FIG. 22a

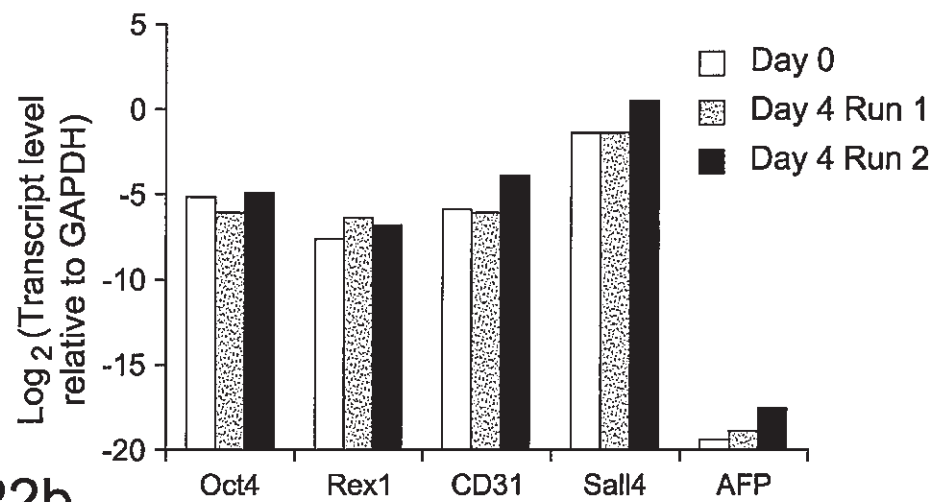


FIG. 22b

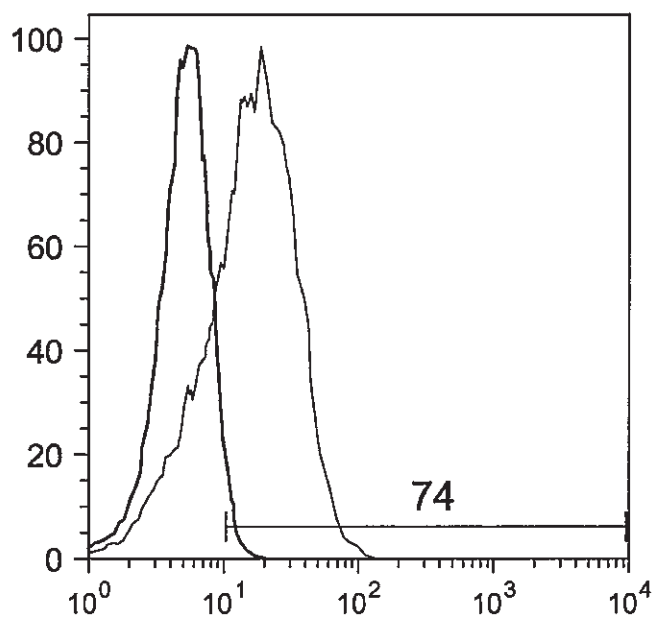


FIG. 22c