

【ABSTRACT】

CELL SHEET FOR GENE DELIVERY

The present invention relates to a cell sheet for gene delivery. Unlike
5 conventional cell sheets for tissue regeneration, a cell sheet according to the present
invention can be used as a local gene delivery system. Particularly when a virus is
used as a gene delivery system, the virus can be proliferated within the cell sheet and
acts topically within a therapeutic region. Thus, the cell sheet is superior in the
prevention or treatment of cancer, the prevention of cancer recurrence or cancer
10 metastasis, particularly the treatment of multifocal tumor even though the virus dose
is remarkably lowered compared to the systemic administration or intratumoral
injection of the virus.

[FIGURE 1]