ABSTRACT

SCALABLE METHODS FOR PRODUCING RECOMBINANT ADENO-ASSOCIATED VIRAL (AAV) VECTOR IN SERUM-FREE SUSPENSION CELL CULTURE SYSTEM SUITABLE FOR CLINICAL USE

Methods and compositions for transfecting cells with plasmids are disclosed. In certain embodiments, methods and compositions are disclosed in which transfection efficiency is significantly increased by contacting the cells being transduced with polyethyleneimine (PEI) that is free of nucleic acid during the transfection process. Therapeutically useful adeno-associated viral vectors generated according to the disclosed methods and compositions are also disclosed.

(Fig. 3A)