

# An Efficient Method for Adenovirus Production

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jove.com/video/61691

## Materials

Name	Company	Catalog Number	Comments
AD293 cells	Agilent Technologies	240085	
AdEasier-1 cells	Addgene	16399	
Agarose I (for electrophoresis)	Thermo Scientific	17850	
Ammonium sulfate	Sigma	A4418	
Ampicillin sodium salt	Sigma	A0166	
BamH I	Thermo Scientific	FD0054	
Cell culture plates 100 mm	Eppendorf	30702115	
Cesium chloride	Sigma	L4036	
DH5alpha bacteria	Thermo Scientific	18265017	
DMEM (GlutaMAX, 4.5g/L D-Glucose)	Gibco	3240-027	
EA.hy926 cells	ATCC	CRL-2922	
EDTA	Sigma	E5134	
Ethanol (99.8%)	Roth	5054.2	
Fetal Bovine Serum	Sigma	F7524	
Flasks T25, T75, T175	Eppendorf	30712129	
Glucose	Sigma	G7021	
Hepa 1-6 murine hepatocytes	ATCC	CRL-1830	
Hind III	Thermo Scientific	FD0504	
Kanamycin Sulfate	Thermo Scientific	15160054	
K2 Transfection System	Biontex	T060-5.0	
LB medium	Formedium	LBx0102	
LB-agar	Formedium	LBx0202	
Mix & Go <i>E. coli</i> Transformation kit	Zymo Research	T3001	
Midori Green Advanced DNA stain	Nippon Genetics Europe	MG-04	
NaOH	Sigma	S8045	
Opti-MEM	Thermo Scientific	31985070	
Pac I	Thermo Scientific	FD2204	
pAdEasy-1	Addgene	16400	
pAdTrack-CMV	Addgene	16405	

Phenol:chloroform:isoamyl alcohol (24:24:1)	Invitrogen	15593-031	
Polymerase GoTaq	Promega	M3005	
Pme I (Mss I)	Thermo Scientific	FD1344	
Potassium acetate	VWR Chemicals	43065P	
Pst I	Thermo Scientific	FD0614	
Qiagen Midi Prep kit	Qiagen	12125	
Cell Scraper	TPP	99003	
SDS	Thermo Scientific	28365	
Slide-A-Lyzer dialysis cassettes	Thermo Scientific	66330	
Sodium pyruvate	SIGMA	P5280-100G	
Syringe with 23G needle	B Braun	464BR	
Tris HCl	Sigma	1185-53-1	
Trypan blue	Roth	CN76.1	
Tubes 50ml	TPP	91050	
Ultra-Clear Tubes (14x89 mm)	Beckman Coulter	344059	
Centrifuge (refrigerated)	Sigma Sartorius	3-19KS	
HeraeusFresco 17 Microcentrifuge	Thermo Scientific	75002420	
Ultracentrifuge with SW41Ti rotor	Beckman Coulter	Optima L-80 XP	
Culture Hood	Thermo Scientific	Class II	
Pipettes (0-2µl, 1-10µl, 2-20µl, 10-100µl, 20-200µl, 100-1000µl)	Thermo Scientific		
Dry Block Heating Thermostat	Biosan	TDB-120	
Thermocycle	SensoQuest	012-103	
Water Bath	Memmert	WNB 14	