

Materials List for:

Multi-target Parallel Processing Approach for Gene-to-structure Determination of the Influenza Polymerase PB2 Subunit

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Materials

Name	Company	Catalog Number	Comments
Primers	IDT		
Genes	DNA 2.0		
TE buffer	Qiagen	provided in kit	
96-well half skirt PCR plates	VWR	10011-248	
PFU Master Mix			
6X Orange Loading Dye	Fermentas	R0631	
10X TAE	Teknova	T0280	
Agarose	Sigma-Aldrich	A9414-10G	
pET28 vector			
2-YT Broth	VWR	101446-848	
Kanamycin	Teknova	K2151	
Restriction Enzymes	Fermentas		
QIAquick Gel Extraction Kit	Qiagen	28704	
Top 10 chemically comp cells	Invitrogen	C4040-06	
Disposable Troughs (Sterile, 25 ml)	VWR	89094-662	
Airpore covers (Rayon films for bio cultures)	VWR	60941-086	
24-well blocks	VWR	13503-188	
QIAvac 96	Qiagen	19504	
BL21(DE3) cells chemcomp (phageR)	NEB	C2527H	
50% Glycerol	VWR	100217-622	
TB Media	Teknova	T7060	
IPTG	Sigma-Aldrich		
1 M Tris pH 8.0	Mediatech	46-031-CM	
5 M NaCl	Teknova	S0251	

Glycerol	Aldrich	G7893-4L	
CHAPS	JT Baker	4145-01	
Imidazole	Sigma	56749-1KG	
TCEP	Amresco	K831-10G	
L-arginine	Amresco	0877-500G	
Benzonase	EMD	70746-3	
Lysozyme	USB	1864525GM	
10 kDa MWCO dialysis tubing	Thermo	68100	
Amicon Ultra 10 ka MWCO concentrators	Millipore	UFC901024	
HisTrap FF columns	GE	17-5255-01	
HiTrap Chelating columns	GE	17/0408-01	
Compact Jr crystallization plates	Emerald Bio	EBS-XJR	
Crystalization screens	Emerald Bio		
Ethylene Glycol 100%	Emerald Bio	EBS-250-EGLY	
Crystal Wand Magnetic Straight	Hampton Research	HR4-729	
Mounted CryoLoop 0.1-0.2 mm	Hampton Research	HR4-955	
ALS style puck			
Puck Wand			
Bent Tongs			
Puck Pusher			