

Materials List for:

# Quantitative PCR of T7 Bacteriophage from Biopanning

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URL: <https://www.jove.com/video/58165>

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## Materials

Name	Company	Catalog Number	Comments
<b>Materials and Reagents</b>			
Primers for T7 genomic DNA	IDT		F: CCTCTTGGGAGGAAGAGATTTG R: TACGGGTCTCGTAGGACTTAAT
T7 Select packaging control DNA	EMD Millipore	69679-1UG	
MicroAmp optical 96-well reaction plate	ThermoFisher Scientific	N8010560	
qPCR master mix--Power up SYBR Green master mix	Applied biosystems	A25742	
MicroAmp optical adhesive film kit	ThermoFisher Scientific	4313663	
T7Select 415-1 Cloning Kit	EMD Millipore	70015	User protocols : <a href="http://www.emdmillipore.com/US/en/product/T7Select-415-1-Cloning-Kit,EMD_BIO-70015#anchor_USP">http://www.emdmillipore.com/US/en/product/T7Select-415-1-Cloning-Kit,EMD_BIO-70015#anchor_USP</a>
DNase I solution	ThermoFisher Scientific	90083	
24-well transwell plate	Corning	3472	
UltraPure DNase/RNase-Free Distilled H <sub>2</sub> O	Invitrogen	10977015	
Phosphate Buffered Saline (1x)	Corning	21040CV	
<b>Equipments</b>			
ViiA7 Real-Time PCR System with Fast 96-Well Block	ThermoFisher Scientific	4453535	
Heraeus Pico 21 Microcentrifuge	ThermoFisher Scientific	75002415	
Fisherbrand Digital Vortex Mixer	Fisher Scientific	02-215-370	
HERMO SCIENTIFIC Multi-Blok Heater	ThermoFisher Scientific	Model:2001	
Sorvall Legend X1 Centrifuge	ThermoFisher Scientific	75004220	
M-20 Microplate Swinging Bucket Rotor	ThermoFisher Scientific	75003624	
<b>Software</b>			
QuantStudio Real-time PCR software	ThermoFisher Scientific		v1.2
Real-time qPCR primer design	IDT		
OligoAnalyzer 3.1	IDT		