

# RIBO-seq in Bacteria: a Sample Collection and Library Preparation Protocol for NGS Sequencing

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## Materials

Name	Company	Catalog Number	Comments
10X TBE (powder)	Invitrogen	AM9864	
2-Mercaptoethanol, 99%, pure	Acros Organics	125472500	
Adenosine 5'-Triphosphate (ATP)	New England Biolabs	P0756S	
Aluminium oxide calcinated pure p.a.	Chempur	114560600	
Calcium chloride dihydrate	Sigma-Aldrich	C3881-500G	
Chloramphenicol	MP Biomedicals	190321	
DNA Clean & Concentrator -5	Zymo Research	D4004	
Dnase I recombinant, Rnase-free	Roche	4716728001	
EDTA disodium salt	Fisher Scientific	E/P140/48	
Ethyl Alcohol Absolut 99,8% Pure-P.A.-Basic	POCH Avantor Performance Materials Poland S.A	BA6480111	
Filtration apparatus	VWR Collection	511-0265	all-glass filtration apparatus, with funnel, fritted base, cap, 47 mm Ø spring clamp and ground joint flask
Gel 40 (19:1)	Rotiphorese	3030.1	
Gel Loading Dye, Blue, 6X	New England Biolabs	E6138G	
Guanosine 5'-[β,γ-imido]triphosphate trisodium salt hydrate	Sigma-Aldrich	G0635-25MG	
labZAP	A&A Biotechnology	040-500	
Magnesium acetate tetrahydrate	Sigma-Aldrich	M5661-250G	
MCE membrane filter	Alfatec Technology	M47MCE45GWS	pore size: 0.45um
MICROBExpress Bacterial mRNA Purification	Invitrogen	AM1905	
Multiplex Small RNA Library Prep Set for Illumina	New England Biolabs	E7300S	
Nuclease-Free Water	Ambion	AM9937	
Potassium Acetate Anhydrous Pure P.A.	POCH Avantor Performance Materials Poland S.A	744330113	

Quick-Load pBR322 DNA-MspI Digest	New England Biolabs	E7323A	
RNA Clean & Concentrator -25	Zymo Research	R1018	
Sodium acetate	Sigma-Aldrich	S2889-250G	
Sodium carbonate	Sigma-Aldrich	223530-500G	
Sodium hydrogen carbonate pure p.a.	POCH Avantor Performance Materials Poland S.A	810530115	
SYBR Gold nucleic acid gel stain	Life Technologies	S11494	
T4 Polynucleotide Kinase	New England Biolabs	M0201L	
T4 Polynucleotide Kinase Reaction Buffer	New England Biolabs	B0201S	
TBE-Urea Sample Buffer (2x)	Invitrogen	LC6876	
Tris(hydroxymethyl)amino-methane, ultrapure, 99,9%	AlfaAesar	J65594	
Triton X-100, 98%	Acros Organics	327371000	
Urea G.R.	lach:ner	40096-AP0	