



ViTEST

OnePot PURE 9/20

Buffer and Energy solution preparation

Tuesday, 20 August 2019

Title: OnePot Buffer preparation and Energy solution

Aim: Prepare new buffer and energy solution to be used for OnePot PURE

Who was there: Konstantinos, Leo , Dodo

Protocol: OnePot Energy, OnePot Buffer

What was done:

Prepare new buffer and energy solution to be used for OnePot PURE

Energy Solution

Compound	Catalog number	Company	Concentration in reaction	Concentration in subset (2.5x)	Units
Amino acids	LAA21-1KT	Sigma-Aldrich	0.3	0.75	mM
Magnesium acetate	M0631	Sigma-Aldrich	11.8	29.5	mM
Potassium glutamate	49601	Sigma-Aldrich	100	250	mM
DTT	sc-29089B	SantaCruz Biotech	1	2.5	mM
ATP	R0481	ThermoFisher	2	5	mM
GTP	R0481	ThermoFisher	2	5	mM
CTP	R0481	ThermoFisher	1	2.5	mM
UTP	R0481	ThermoFisher	1	2.5	mM
tRNA	10109541001	Roche	52	130	U _{A260} /mL
Creatine phosphate	27920	Sigma-Aldrich	20	50	mM
Folinic acid	PHR1541	Sigma-Aldrich	0.02	0.05	mM
Spermidine	S2626	Sigma-Aldrich	2	5	mM
HEPES	H0887-100ML	Sigma-Aldrich	50	125	mM