

Materials List for:

The Development of Lyophilized Loop-mediated Isothermal Amplification Reagents for the Detection of *Coxiella burnetii*

Hua-Wei Chen¹, Wei-Mei Ching¹

¹Viral and Rickettsial Diseases Department, Naval Medical Research Center

Correspondence to: Hua-Wei Chen at huawei.chen2.ctr@mail.mil

URL: <https://www.jove.com/video/53839>

DOI: [doi:10.3791/53839](https://doi.org/10.3791/53839)

Materials

Name	Company	Catalog Number	Comments
LAMP primers	Eurofins MWG operon	10 nmol, salt free	Sequence designed by customer
Bst DNA polymerase	New England Biolabs	M0275L	8 units/ml
10x Thermo pol buffer	New England Biolabs	B9004S	
dNTP mixture	New England Biolabs	N0447L	10 mM each
Betaine	Sigma-Aldrich	B0300	5 M, Trimethylglycine
Magnesium Sulfate	Sigma-Aldrich	M3409-1ML	1 M
10x Bluejuice	Invitrogen	10816-015	gel loading buffer
SYBR green	Invitrogen	S7585	10,000x, visualize products in tubes
GelRed	Phenix Research Products	RGB-4103	10,000x, visualize products in gels
Lyophilized reagents	Gene Reach		
Hydroxynaphthol blue	Fluka	33936-10G	
ESEQuant tube scanner	Qiagen		real-time detection