

Materials List for:

The Portable Chemical Sterilizer (PCS), D-FENS, and D-FEND ALL: Novel Chlorine Dioxide Decontamination Technologies for the Military

Christopher J. Doona¹, Florence E. Feeherry¹, Peter Setlow², Alexander J. Malkin³, Terrence J. Leighton⁴

¹United States Army-Natick Soldier RD&E Center, Warfighter Directorate

²Department of Molecular Biology and Biophysics, University of Connecticut Health Center

³Lawrence Livermore National Laboratory

⁴Children's Hospital Oakland Research Institute

Correspondence to: Christopher J. Doona at Christopher.doona@us.army.mil

URL: <https://www.jove.com/video/4354>

DOI: [doi:10.3791/4354](https://doi.org/10.3791/4354)

Materials

Name	Company	Catalog Number	Comments
Sodium chlorite	Sigma-Aldrich	244155	
Sodium sulfite	Sigma-Aldrich	239312	
Sodium ascorbate	Sigma-Aldrich	A7631	
Potassium phosphate	Sigma-Aldrich	P0662	
Dextrose	Fisher Scientific	D-16	
BT Sure biological indicator (steam)	Thermo Fisher Sci	AY759X3	
EZ Test (EtO)	SGM Biotech Inc	EZG/6	
Difco Hy-check	Becton-Dickinson/ Difco	290002	
Tryptic Soy Agar	Difco	236950	
Nutrient Agar	Difco	213000	
Baird-Parker Agar	Difco	276840	
Egg Yolk-Tellurite	Difco	277910	
0.5% Yeast extract	Difco	212750	
Bacto-Peptone	Difco	211677	
Bacto-Tryptone	Difco	211705	
Agar	Difco	214010	
Soluble starch	Difco	0178-17	
Lab Lemco Beef Extract	Oxoid	L29	
Masticator - Classic	IUL Instruments	Cat. No. 400	
Stomacher bags	Seward	Stomacher '400' bags	