

Materials List for:

Measurements of Soil Carbon by Neutron-Gamma Analysis in Static and Scanning Modes

Galina Yakubova¹, Aleksandr Kavetskiy¹, Stephen A. Prior¹, H. Allen Torbert¹

¹National Soil Dynamics Laboratory, Agricultural Research Service, United States Department of Agriculture

Correspondence to: Galina Yakubova at galina.yakubova@ars.usda.gov

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Materials

Name	Company	Catalog Number	Comments
Neutron Generator	Thermo Fisher Scientific, Colorado Springs, CO DNC software	MP320	
Gamma-detector:		na	
- NaI(Tl) crystal	Scionix USA, Orlando, FL		
- Electronics	XIA LLC, Hayward, CA		
- Software	ProSpect		
Battery	Fullriver Battery USA, Camarillo, CA	DC105-12	
Invertor	Nova Electric, Bergenfield, NJ	CGL 600W-series	
Charger	PRO Charging Systems, LLC, LaVergne, TN	PS4	
Block of Iron	Any	na	
Boric Acid	Any	na	
Laptop	Any	na	
mu-metal	Magnetic Shield Corp., Bensenville, IL	MU010-12	
Construction sand	Any	na	
Coconut shell	General Carbon Corp., Patterson, NJ	GC 8 X 30S	
Reference Cs-137 source	Any	na	