

Materials List for

# Performing Intracochlear Electrocochleography During Cochlear Implantation

Klaus Schuerch<sup>1,2</sup>, Manuel Waser<sup>1</sup>, Georgios Mantokoudis<sup>1</sup>, Lukas Anschuetz<sup>1</sup>, Wilhelm Wimmer<sup>1,2</sup>, Marco Caversaccio<sup>1,2</sup>, Stefan Weder<sup>1,2</sup>

<sup>1</sup>Department of Otorhinolaryngology, Head and Neck Surgery, Inselspital, Bern University Hospital, University of Bern <sup>2</sup>Hearing Research Laboratory, ARTORG Center for Biomedical Engineering Research, University of Bern

## Corresponding Author

Stefan Weder  
stefan.weder@insel.ch

## Citation

Schuerch, K., Waser, M., Mantokoudis, G., Anschuetz, L., Wimmer, W., Caversaccio, M., Weder, S. Performing Intracochlear Electrocochleography During Cochlear Implantation. *J. Vis. Exp.* (181), e63153, doi:10.3791/63153 (2022).

## Date Published

March 8, 2022

## DOI

10.3791/63153

## URL

jove.com/video/63153

## Materials

Name	Company	Catalog Number	Comments
<b>MED-EL</b>			
Arbitrary waveform generator	Dataman, UK	Dataman 531 series	
Foam eartip	Etymotic, USA	ER3-14	
Gelfoam	Pfizer, USA		
Implant software	MED-EL, Austria	Maestro 8.03 AS	
Interface	MED-EL, Austria	MAX Programming Interface	
Max Coil S	MED-EL, Austria		
Python	Python Software Foundation, USA	v 03.08.2008	
Software package Numpy	Python Software Foundation, USA	v. 1.19.2	
Software package Scipy	Python Software Foundation, USA	v. 1.6.2	
Software package Sklearn	Python Software Foundation, USA	v. 0.24.2	
Sterile sleeve	Pharma-Sept Medical Products, Israel		Hand Piece Cover
Sterile sound tube	Etymotic, USA	ER3-21	
Transducer	Etymotic, USA	ER-3C	
Trigger cable BNC male to 3.5 mm male	Neurospec, Switzerland	NS-7345	
<b>Cochlear</b>			
Cochlear programming pod Interface	Cochlear, Australia		
Coil	Cochlear, Australia	Nucleus 900 series	
Foam eartip	Etymotic, USA	ER3-14	
Naida Q90 Implant software	Cochlear, Australia	v. 1.2	Cochlear Research Platform
Nucleus CP900 Audioprocessor	Cochlear, Australia		
Sterile sleeve	Pharma-Sept Medical Products, Israel		Hand Piece Cover
Sterile sound tube	Etymotic, USA	ER3-21	
Transducer	Cochlear, Australia	EAC00 series	Power speaker unit
<b>AB</b>			

AIM Tablet	AB, USA	CI-6126	
AIM Transducer	AB, USA	CI-6129	
Audioprocessor	AB, USA	CI-5280-150	
Eartip	AB, USA	AIM Custom	
Naida Coil	AB, USA	CI-5315	
Naida Coil cable	AB, USA	CI-5415-206	
ONSuite Implant software	AB, USA	SoundWave 3.2	
Sterile sound tube	AB, USA	AIM Custom	