

Materials List for:

Concurrent Electroencephalography Recording During Transcranial Alternating Current Stimulation (tACS)

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Materials

Name	Company	Catalog Number	Comments
Stimulator for tACS: Eldith DC-Stimulator plus	NeuroConn GmbH, Germany		For remote input, be sure to order a model with this feature enabled
Analog Output board for sending triggers: Static and Waveform Analog Output board, model NI PCI-6723	National Instruments, USA		13-bit, 32 channels.
Matlab and data acquisition toolbox	The MathWorks, Inc., USA		The 'Data acquisition toolbox' available for MATLAB provides functions to control data acquisition hardware such as an analog output board, produced by several manufacturers.
EEG system: eegospots, with a 32 channel waveguard EEG cap	ANT neuro, Netherlands		
tACS electrodes	NeuroConn GmbH, Germany	305090-05 305050	Materials: conductive-rubber electrodes. Dimensions of scalp electrodes: Outer Ø: 60 mm, Inner Ø:25 mm (Part# 305090-05) Cut from the original size Ø 75mm Dimensions of shoulder electrode: 50 x 50 mm (Part# 305050)
EEG gel	Inselspital, Bern, Switzerland		Electrode paste, containing abrasives (<i>i.e.</i> pumice) which scrub the skin, improving the electrode-to-skin contact.
Abrasive skin preparing gel for EEG and electrocardiography: Nuprep	Weaver and Company, USA		
Cotton swabs, wooden handle	Salzmann MEDICO, Switzerland		Dimensions: 150 x 1.5 mm; wooden handle Ø 2.2 mm
Adhesive tape: Leukofix	BNS medical GmbH, Germany	04.107.12	