

Materials List for:

Extracting Visual Evoked Potentials from EEG Data Recorded During fMRI-guided Transcranial Magnetic Stimulation

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Materials

| Name | Company | Catalog Number | Comments |
|---|---|----------------|---|
| 3.0 T Signa MRI scanner | General Electric | | |
| BrainAmp amplifier | Brain Products GmbH | BP-01300 | |
| Electrode input box | Brain Products GmbH | | Optional |
| PowerPack - battery for amplifier | Brain Products GmbH | BP-02615 | |
| BrainCap - 32 flat electrodes on a flexible cap | Brain Products GmbH | BP-0300MR | Flat electrodes should be used to assure a shorter distance between coil and scalp. If larger (e.g. pin type) electrodes are used, remove the ones under the coil |
| TMS Super Rapid2 stimulator | Magstim | | |
| 50 mm double coil | Magstim | | |
| Coil holder | | | Any mechanical arm or tripod that can hold the coil, be adjusted to the right angle and location, and keep the coil steady during stimulation |
| Chinrest | | | |
| Polaris infrared camera | Rogue Research Inc | | |
| Polaris trackers and pointer tool | Rogue Research Inc | | |
| BrainSight workstation and software | Rogue Research Inc | | |
| BrainVision Recorder software | Brain Products GmbH | BP-00010 | |
| MATLAB software | The MathWorks Inc | | |
| SPM for Matlab | Wellcome Department of Imaging Neuroscience, London, UK | | |
| MarsBar region of interest toolbox for SPM | | | |
| Psychtoolbox for MATLAB | | | This toolbox and the E-prime software (below) are examples for stimulus presentation software capable of delivering commands to the TMS stimulator and to the EEG recorder with reliable timing |
| E-Prime software | Psychology Software Tools, Inc. | | |