

Materials List for:

Non-invasive Assessment of Changes in Corticomotoneuronal Transmission in Humans

Wolfgang Taube¹, Christian Leukel^{1,2}, Jens Bo Nielsen^{3,4}, Jesper Lundbye-Jensen^{3,4}

¹Department of Medicine, Movement and Sport Science, University of Fribourg (Switzerland)

²Department of Sport Science, University of Freiburg (Germany)

³Department of Neuroscience and Pharmacology, University of Copenhagen

⁴Department of Nutrition, Exercise and Sports, University of Copenhagen

Correspondence to: Wolfgang Taube at wolfgang.taube@unifr.ch

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Materials

Name	Company	Catalog Number	Comments
Self-adhesive EMG electrodes	Blue sensor N, Ambu, Ballerup, Denmark		Used to record EMG signals
Electrical stimulator	Digitimer DS7A, Hertfordshire, UK		Used to elicit the soleus H-reflex
Stimulating electrode	Blue sensor N, Ambu, Ballerup, Denmark		Used to elicit the soleus H-reflex
Magnetic stimulator #1	Magstim Rapid ² TMS stimulator, Magstim Company Ltd., Whitland, UK		Used to elicit contralateral motor evoked potentials in the soleus muscle
Coil #1: 90 mm figure-of-eight coil	Magstim Company Ltd., Whitland, UK		Used to elicit contralateral motor evoked potentials in the soleus muscle
			Stimulator #1 and coil #1 were used in the original publication (Taube et al. 2014; Cerebral Cortex)
Magnetic stimulator #2	MagPro X100 with MagOption, MagVenture A/S, Farum, Denmark		Used to elicit contralateral motor evoked potentials in the soleus muscle
Coil #2: 95 mm focal "butterfly-shaped" coil (D-B80)	MagVenture A/S, Farum, Denmark		
Stimulator no2 and coil no2 were used in the video session			
Magnetic stimulator #3	Magstim Company Ltd., Whitland, UK		Used to stimulate at the cervicomedullary junction
Coil #3: double-cone magnetic coil	Magstim Company Ltd., Whitland, UK		Used to stimulate at the cervicomedullary junction
Image-guided TMS navigational system #1	Brainsight 2, Rouge Research, Montreal, Canada		Used in the original publication (Taube et al. 2014; Cerebral Cortex) to monitor coil position throughout the experiment
Image-guided TMS navigational system #2	TMS Navigator SW-Version 2.0, LOCALITE GmbH, Sankt Augustin, Germany	Used for the video session	
Literature:			
Taube et al. 2014	Taube, W., Leukel, C., Nielsen, J. B. & Lundbye-Jensen, J. Repetitive Activation of the Corticospinal Pathway by Means of rTMS may Reduce the Efficiency of Corticomotoneuronal Synapses.		

	Cerebral cortex, doi:10.1093/ cercor/bht359 (2014).		
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