

<별지서식 11 : 규격서>

(연구장비)규격서

품 명	영 문	DC STIMULATOR PLUS (fMRI 호환)	수 량	1	구분	국내물품() 국외물품(○)
	국 문	경두개전기자극기				
모델명	경두개전기자극기 (fMRI 호환)					
원산지	독일					
제조 회사	NeuroCare Group Asia Pte Ltd.					
주요구성 부분 및 SPECIFICATION						
1. 용도						
MRI실 내에서 피험자의 주의력과 작업기억 개선에 사용되는 뇌자극기로서, 본 연구 수행이 완료 된 후에도 신청자 또는 다른 연구자의 차기 유사한 연구에 널리 사용 될 수 있는 기기이다.						
2. 세부규격(성능 및 사양)						
□ DC-STIMULATOR MR						
1-channel, unipolar, bipolar, AC CE conform device for neuroscience research Programmable, microprocessor-controlled, uniandbipolar constant current source for anodal andcathodal stimulation for						
- transcranial direct current stimulation (tDCS), transcran. alternating current stim. (tACS), cranial electrical stimulation (CES),galvanic vestibular stimulation (GVS),transcranial random noise stimulation (tRNS)						
3. 표준 및 부속품(주요 자재 및 설비)						
□ DC-STIMULATOR MR						
- integrated, rechargeable batteries						
- illuminated, alphanumeric display and membrane keypad with 4 keys						
- contact-protected electrode connections in accordance with DIN 42802-2 (Ø 2.0mm)						
- external trigger input and trigger output (optional)						
MRI module (RF filter) for the safe use of thestimulator in MRI						
- 2 additional modules, 20m connection cable Current selectable up to 4,500µA and applicationtime selectable up to 30min						
- Various types of stimulation to choose from: - continuous stimulation, adjustable, graduated fade in and fade out (single)						
- cyclic turning on/off of stimulation, adjustable pulse width and interval (pulse) - sinusoidal stimulation up to 250Hz (sinus)						
- normally distributed broadband, low- and highfrequency noise						
- study mode for "blind" operation of active and pseudo-stimulation (optional) Equipment						
- external charger						
- starter set / 35 MR**						
- 1 pair of MRI-compatible rubber electrodes (approx. 5x7cm / 35cm²)						
- 1 connection cables (approx. 100cm)						
- 1 electrode paste Ten20 (228g)						
- 1 rubber strap combination for fixing						
- 2 transport cases						
* maximum current for MRI 1,500 µA (higher current on request)						
□ Language package DCSP English (software, manual)						
□ Equipment DCS/DCSP/DCSMR/35						
- 1 pair of rubber electrodes (approx. 5x7cm /35cm²) with sponge pads, 1 pair of connection cables (approx. 150cm), 1 rubber strap combination for fixing						
□ software (DC-STIMULATOR MR)						
- enables current stimulation with 2mA inside MR scanner □study mode for DC-STIMULATOR or DC-STIMULATOR PLUS						
- blind operation, active and pseudostimulation,code list (not for DC-STIMULATOR MC)						
□ TRIGGER IN						
- Module for connecting external trigger sources to DC-STIMULATOR or DC-STIMULATOR PLUS, 1-channel						
- galvanic isolation, BNC input, TTL signal						
5. A/S기간 등 기타사항						
□ electrodes and cables sensors등의 소모성제품을 제외한 장비는 12개월간 사후관리를 받을 수 있습니다.						