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| **1. 구매물품명****(영문)** | **Nano SIMS 일차칼럼 업그레이드** |
| **2. 품목번호****(HSK No)**  | **3. page 1 of 2** | **4. Date 2011. 06.**  |
| **5. 물품설명(Description)** | **6. 단위****(unit)** | **7.수량****(Q'ty)** |
| **A. 특징**1) 일차칼럼 기능(C0, D0, C1, L0, L1, Extraction Plate) 향상을 위한 upgrade 작업2) 업그레이드를 통해 제공되는 Excellent Performance는 다음과 같음.- Smallest achievable Cs+ beam diameter on sample surface down to 40nm - Stability of beam current for Cs+ below to 1%/10min- Data reproducibility down to 5 permil**B. 사양****1. Primary Column Upgrade Kit**1-1 X FIL KAPTION 22AG KAP2 4,2 010 0147 1-2 P Joint HN100 D3.3 X1-3 P Joint HN100 D4.5 X1-4 P Joint HN100 D4.5 X D1-5 P Rondelle Isolante1-6 P Electrode1-7 P Isolant Lentille1-8 P Plaque De1-9 P Guide Vanne NanoSIMS 1-10 P Pion Diam 3 LG 16 NanoSIMS1-11 P Plaquette Isolante Prise jaeger1-12 P Connecteur1-13 P Lame De Contact NanoSIMS1-14 P Equerre SIsolante Connecteur Femelle1-15 P Connecteur1-16 P Blindage Inferieur nanoSIMS1-17 P Alim Lentilles1-18 P Limiteur Plaques1-19 P Joint Viton D1.78 X1-20 X Vis C M 2X6 Inox A2 SVT Doc1-21 X Vis CHC M 4x12 Inox1-22 X Vis CHC M 4x6 Inox1-23 X Vis CHC M 5x12 Inox1-24 X Vis ST FE BT Point M1-25 X Rondelle Plate Z1-26 X Vis C M 1.6x8 Inox1-27 X Vis C M 2x3 Inox A2 SVT Doc1-28 P Isolant Plaques NanoSIMS 1 010 09441-29 P Plaque A NanoSIMS 2 010 09441-30 P Plaque B NanoSMS 2 010 0944 1-31 P Isolant Lentille 456209631-32 P Joint HN200 D5.6 x1-33 P Isolant Plaques NanoSIMS 456213511-34 P Diaphragme 292514261-35 P Daphragme 292514271-36 P Diaphragme 292514291-37 P Diaphragme 150 456206951-38 X Vis C M 1.6x6 Inox1-39 X Vis C M 1.6x2 Inox1-40 X Vis C M 2x10 Inox A2 SVT Doc**2. Engineer Support**2-1 Labor time charges 10 days on site **C. 세부 사항****1. Primary ion column** 1-1 Ion Source (for Cs source)- Minimum beam diameter: <40nm- Beam diameter : from 5-10 µm down to 40 nm- Beam current range : from < 0.1 pA to > 5 nA- Stability of beam current :< 10-2 over 10 minutes 1-2 Ion Source (for Duo source)- Minimum beam diameter: <200nm- Achievable beam density: > 5 mA/cm2 - Beam current range : from < 0.1 pA to > 5 nA- Stability of beam current :< 10-2 over 10 minutes **2.Data reproducibility**2-1 Oxygen isotope - Reproducibility : <5 permil **D. 연구원에 반입되는 물품은 동급사양 이상이어야 하며, 계약 전에 사양에 대한 검토를 득하여야 한다.** **F. 비고**1. 납품기한 : 계약 후 30일2. 무상하자 보증기간 : 기술검수 완료일로부터 1년 3. 설치 및 운용 교육 : 계약업체에서 직접 시행 |  SETEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEAEA | 111111111111111111111111111111111111111111 |

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부서장 : (인)