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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 작업  2) 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 X  1-3 P Joint HN100 D4.5 X  1-4 P Joint HN100 D4.5 X D  1-5 P Rondelle Isolante  1-6 P Electrode  1-7 P Isolant Lentille  1-8 P Plaque De  1-9 P Guide Vanne NanoSIMS  1-10 P Pion Diam 3 LG 16 NanoSIMS  1-11 P Plaquette Isolante Prise jaeger  1-12 P Connecteur  1-13 P Lame De Contact NanoSIMS  1-14 P Equerre SIsolante Connecteur Femelle  1-15 P Connecteur  1-16 P Blindage Inferieur nanoSIMS  1-17 P Alim Lentilles  1-18 P Limiteur Plaques  1-19 P Joint Viton D1.78 X  1-20 X Vis C M 2X6 Inox A2 SVT Doc  1-21 X Vis CHC M 4x12 Inox  1-22 X Vis CHC M 4x6 Inox  1-23 X Vis CHC M 5x12 Inox  1-24 X Vis ST FE BT Point M  1-25 X Rondelle Plate Z  1-26 X Vis C M 1.6x8 Inox  1-27 X Vis C M 2x3 Inox A2 SVT Doc  1-28 P Isolant Plaques NanoSIMS 1 010 0944  1-29 P Plaque A NanoSIMS 2 010 0944  1-30 P Plaque B NanoSMS 2 010 0944  1-31 P Isolant Lentille 45620963  1-32 P Joint HN200 D5.6 x  1-33 P Isolant Plaques NanoSIMS 45621351  1-34 P Diaphragme 29251426  1-35 P Daphragme 29251427  1-36 P Diaphragme 29251429  1-37 P Diaphragme 150 45620695  1-38 X Vis C M 1.6x6 Inox  1-39 X Vis C M 1.6x2 Inox  1-40 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 30일  2. 무상하자 보증기간 : 기술검수 완료일로부터 1년  3. 설치 및 운용 교육 : 계약업체에서 직접 시행 | | | SET  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA  EA | 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1 |

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