

仕 様 書

公益財団法人京都大学 i P S 細胞研究財団に設置の次世代シーケンサーシステム等(以下システムという。)について、保守業務の受注者は、システムが研究上重要な存在であることを認識したうえで、システムが常に正常な作動をするよう未然に事故を防止し、万一の故障に対しては迅速かつ確実に作動するよう、優秀な技術者をもって、以下により誠実、入念確実に行うものとする。

1. 保守の範囲

この契約の目的とする保守とは、システムがその性能を維持して装置本来の使用目的に支障を来さないよう、受注者の責任において必要な調整、修理、並びに部品交換を行うことをいう。

ただし、システムのオーバーホール及び改造に要する作業は、この保守の範囲に含まないものとする。

2. 保守物品及び保守実施期間

米国イルミナ社製 次世代シーケンサーシステム 一式の保守
内訳は、下記の通りとする。

別表

型 式	機 種／製造番号／呼称	設置年月日	設置場所
高速シーケンサーゲノム解析システム	NovaSeq6000 /A00699 /1号機	2019年2月	iPS細胞研究所 第1研究棟 305
高速シーケンサーゲノム解析システム	NovaSeq6000 /A00701 /2号機	2019年2月	iPS細胞研究所 第1研究棟 305
デスクトップ型高速シーケンサーゲノム解析装置	MiSeq /MSQ-M00440 /1号機	2012年3月	iPS細胞研究所 第1研究棟 305
デスクトップ型高速シーケンサーゲノム解析装置	MiSeq /MSQ-M01577 /2号機	2013年3月	iPS細胞研究所 第1研究棟 305
マイクロアレイメチル化解析システム	iScan /iScan-N0329	2010年4月	iPS細胞研究所 第1研究棟 306

保守実施期間：令和6年4月1日 ～ 令和7年3月31日

3. 保守の実施

- (1) 保守の内容は以下のとおりとする。
 1. 受注者は、当財団からシステムの故障発生等の連絡があった時は速やかに調整、修理並びに部品交換を行うものとする。
 2. 保守料金には、調整、修理並びに部品交換の技術料、別紙1 交換部品一覧に掲げる部品の代金、および当財団までの交通費を含むものとする。
 3. システム操作に必要なソフトウェアのバージョンアップを行うものとする。
 4. 試薬不良、および保守対象機器のシステム不良が原因の場合は、試薬交換を行うものとする。
- (2) 部品の交換にあたっては、システム状況に応じて、交換前に当財団職員と事前打ち合わせを行い、決定するものとする。
- (3) 受注者が適当とみなす技術上のバージョンアップ等、「変更」を行う場合は、事前に当財団職員と打ち合わせにより決定するものとする。

4. 発注者の立ち会い

発注者は、保守の実施に際し、当財団職員を立ち合わせるものとする。

5. 報告書

- (1) 受注者は、保守を行ったときは、その都度「報告書」を当財団職員に提出するものとする。
- (2) この「報告書」には、次の各号の事項について記入するものとする。
 - ア 各部の異常の有無
 - イ 部品の交換があったときは、その品名及び数量
 - ウ 修理を行ったときは、その詳細
 - エ 当該保守の対象以外に処置しなければならない事項等
- (3) この報告書は2部作成し、受注者の保守実施者が記入のうえ1部を当財団職員に提出するものとする。

6. その他の遵守事項

- (1) 保守は、原則として土曜日、日曜日、祝日、年末年始（12月29日～1月3日）を除く月曜日から金曜日までの9時00分から17時15分までに行うものとする。ただし、当財団職員の承認を受けたときはこの限りでない。
- (2) 当該保守の対象以外に処置しなければならない事項等が発生した場合、受注者は本学係員にその報告を行い、発注者受注者間で協議の上処置の実施を決定しこれに要する代金は別途請求により支払うものとする。
- (3) 保守実施上、疑義が生じたときは、その都度当財団と協議するものとする。

別紙1 交換部品一覧

NovaSeq6000交換部品

部 品 名	P/N
SPARE,ASSY,SYRINGE PUMP	20007191
SPARE,SYRINGE, 1000 UL, UHMWPE, XMP	20007192
SPARE,SENSOR, PRESSURE, 50 PSIA	20007196
ASSY, SIPPER MANIFOLD (SMA)	20007198
MANIFOLD, BUFFER TUBE REDUCTION, RCA	20007200
NovaSeq, ASSY, INTERNAL TUBING KIT, RCA	20007201
MANIFOLD, INTERCONNECT, BIM	20007202
ASSY,BUFFER STRAW SIPP,CONICAL CUT, LONG	20007203
ASSY,BUFFER STRAW SIPP,CONICAL CUT,SHORT	20007204
ASSY, TUBING KIT, POST LINES	20007214
NOVASEQ, ASSY, EXTERNAL, USED REAGENT WASTE TUBING KIT	20007219
ASSY, TUBING KIT, BIM	20007222
NovaSeq Fluidics Module	20007230
ASSY,16PORT ETHERNET_GB_SWITCH	20007483
ASSY, RCA	20007499
NovaSeq, RCA Y Drive Assembly	20007583
ASSEMBLY, VACUUM PUMP	20007685
SPARE,ASSY, EMISSION OPTICS MODULE (EOM)	20007742
SPARE,ASSY, LINE GENERATION MODULE (LGM)	20007745
SPARE,ASSY, FOCUS TRACKING MODULE (FTM)	20007746
SPARE,ASSY, CAMERA MODULE (CAM)	20007747
PACKAGING, CRATE NOVASEQ	20007748
NovaSeq, DAD Manifold Post Side	20007933
NovaSeq, DAD Manifold comm side	20007961
ASSY, NovaSeq Lightband	20010289
SPARE, HOOK, DOORLOCK LATCH	20010703
WIRELESS KBD-MSE COMBO	20010844
ABSORBER, SPILL MITIGATION, XYA	20011148
ASSY, COOLANT MANIFOLD	20011245
ASSY, COOLANT TRAY	20011292
UPS, 3KVA, 240V, 2RU RACK/TWR, WW	20011615
NovaSeq,SMART-UPS X 120V EXTERNAL EXT, WW	20011616
ASSY, LIQUID CHILLER MODULE	20011625
SPARE,CABLE,BUBBLE SENSOR	20011798
CBL,APX SYS H13 RTD TERMINAL 2	20012001
SPARE,FILTER, MERV5, 0.5" X 10" X 15"	20013361
SPARE,FILTER, MERV5, 0.5" X 8" X 5.5"	20013362
NovaSeq,CBL,APX SYS H4 FAN2 TERMINAL	20013574
SPARE,ASSY, DUAL ACTUATION DECK	20013620
SPARE,ASSY,XY STAGE	20013666
NovaSeq, ELMO X/Y Controller	20013667
NovaSeq, Single Board Computer (SBC)	20013671
NovaSeq Z Stage Board	20013725
ASSY, BIRD, SOLID STATE, TESTED	20013726
NovaSeq, Monitor	20013741
ASSY, COMPUTE MODULE (CE)	20013742
FILTER, DRAIN, WATTS 1/4NPT	20013745
APCRBC117	20013747
ASSY, PERIPHERALS CRATE NOVASEQ	20013767
SPARE,PCA,FIB,FOCUS INTERFACE BOARD	20013952
SPARE,PCA,SYSTEM THERMAL BOARD	20013955
PCA, APX PILOT, RCA SSB	20013956
PCA, APX PILOT, BIM SSB	20013957
NovaSeq, MiB PCA	20013959
NovaSeq, Flowcell Holder Board	20013970
PCA, APX PILOT, LED_DRV	20013972
SPARE,ASSY, CIB,APX PILOT_FRAME GRABBER(CIB+FP)	20014125
ASSY, LEAK TRAY	20015462
部 品 名	P/N
NovaSeq, LGM v2	20015464

ASSY, WASH CARTRIDGE, SBS w/ PKG	20015692
ASSY, WASH CARTRIDGE, PE w/ PKG	20015693
NovaSeq, RCA Lock TAB	20016131
ASSY, SLAB WITH FC DOOR, NOVASEQ	20016454
ASSY, NOVASEQ, CHM/PSU	20016464
SPARE,PCA,FLOWCELL HOLDER BOARD	20016471
SPARE,ASSY,RCA,REAGENT CHILLER	20016485
SMART-UPS, 48V, EXT RUN, INDIA	20016502
UPS, 3KVA, 208-230V, SK, MX, CO, TH	20016503
BATTERY PACK, EXT RUN, SK, MX, CO, TH	20016504
UPS, 5KVA, 200V, JAPAN	20016505
BATTERY PACK, EXT RUN, JAPAN	20016506
ASSY,BIM,BUFFER INTERFACE MODULE, DISASSEMBLED	20016512
ASSY, COMBO DRAWER, TL	20016525
FRU, FFC SET, XY STAGE	20016539
ASSY, COOLANT FILL APPARATUS	20016651
ASSY, OAS, FIELD RETROFIT, NOVASEQ	20016685
SPARE,ASSY, COOLANT TRAY	20016702
ASSY, TIP-TILT, W/LUBE	20016721
FAN, 80x80x25mm	20018349
NovaSeq Hard Drive	20018441
NovaSeq UPS, 3VA, 230, India	20019130
FILTER, MERV 11, OM REAR LEFT	20019244
FILTER, MERV 11, OM REAR RIGHT	20019246
SPARE,ASSY,CABLE TRACK	20019247
NovaSeq, MIB PCA	20019250
ASSY, FOOTGUARD	20019253
ASSY, LEAK TRAY	20019254
KIT, LEAK TRAY+FOOT GUARD	20019255
CBL,APX SYS H3 FAN1 TERMINAL	20019316
CBL,APX SYS H4 FAN2 TERMINAL	20019317
CBL,APX SYS H5 FAN3 TERMINAL	20019318
Refurb, RCA, TL, NOVASEQ	20019492
REFURB, ASSY,DUAL ACTUATION DECK	20019494
REFURB, COMPUTE ENGINE, NOVASEQ	20019497
REFURB, CAMERA MODULE, NOVASEQ	20019500
REFURB, XY STAGE, NOVASEQ	20019503
REFURB, ASSY, FOCUS TRACKING MODULE(FTM)	20019506
REFURB, ASSY, BUFFER INTERFACE MODULE,TL	20019512
SPARE,ASSY, ELMO CONTROLLER, XY STAGE, 11.80	20019530
REFURB, LINE GENERATION MODULE, NOVASEQ	20021585
REFURB, LGM V2, NOVASEQ	20021588
NovaSeq CE 27.0.C04.20170504 USB Kit	20022236
NovaSeq SBC 30.0.C04.20170628 USB Kit	20022237
REFURB, EMISSION OPTICS MODULE, NOVASEQ	20022355
NovaSeq 6000 Objective Cleaning Cartridge Kit	20022461
ASSY, TUBING KIT, COMMON LINES, SLEEVE	20023062
WRENCH, OPEN, 1/2", TIGHT CLEARANCE	20023089
PCA,PP+ MIB,NOVASEQ	20023142
ASSY, FRU, CASTER WHEEL REPLACEMENT	20023161
FRT,WHL,CASTER,SWIVEL,RATCHET, BLK	20023170
REAR,WHL,CASTER,FIXED,RATCHET, BLK	20023171
NovaSeq,Preventive Maintenance Kit	20023458
ASSY, DUAL ACTUATION DECK 2.0	20023899
NovaSeq SBC 30.0.C06.20171214 USB Kit	20024980
部 品 名	P/N
REFURB, ASSY, ELMO CONTROLLER, XY STAGE	20025053
REFURB, ASSY, TIP-TILT	20025056
SPARE,PCA,MIB,MOTION INTERFACE BOARD	20025287
NovaSeq LGM, VES	20025662
REFURBISHED, LGM_VES	20025665
KIT, ACCESSORIES	20026137
REFURB, DUAL ACTUATION DECK 2.0, NOVASEQ	20030654
PACKAGING KIT, FTM, NOVASEQ	20031316

SHIP KIT, EOM FRU, NOVASEQ	20031317
ASSY,EOM AND SHIP KIT, NOVASEQ	20031821
ASSY, FTM AND PKG KIT, NOVASEQ	20031822
KIT,STABLZR FT,UPS,SKOREA,COL,THAI,MEX	20032236
REFURB, ASSY, FLUIDICS MODULE, NOVASEQ	20033923
CBL,APX BIM H4-Sour SenTerm,Cone	20034082
MONITOR, WHITE, TOUCH	20034626
ASSY, REFURB EOM & SHIP KIT, NOVASEQ	20034722
SSD,1.92TB,2.5in,SATA III,INT	20035186
PUMP SYRINGE-2-CHANNEL, 3-PORT,V2	20036712
NOVASEQ BIM RAIL SCREW FRU, 12PK	20036850
REFURB, ASSY, APX, PSU	20037015
ASSY, NOVASEQ, CHM/PSU V2	20039284
ASSY,COMPUTE MODULE (CE),NOVASEQ,CHINA	20040496
KIT, ACCESSORIES, NOVASEQ, CHINA	20040497
CBL,APX,MISC,H4 SBC-ELO MONITOR,HDMI	20041735
APC SMART-UPS SRT96BP, 3KVA, KR	20041792
KIT, ACCESSORIES, NOVASEQ, V2	20042332
CBL,APX MISC H29-SBC-USER INTF LANC6	20043044
SSD, 2.5in, SATA III, INT	20043420
REFURBISHED, ASSY, PHANTOM BIM, TL	20046979
NOVASEQ, DUAL LAN KIT	20048497
REFURB, ASSY,COMPUTE ENGINE,NORTHSHORE	20049017
KIT, ACCESSORIES, NOVASEQ, V3	20049019
CBL,APX,MISC,H4 SBC ELO,HDMI 1800	20063930

MiSeq交換部品

部 品 名	P/N
SPARE, POWER CORD,CHINA,2.5M,	1001722S
SPARE,ENTERPRISE, HDD,CUST GHOST IMAGED	10649S
SPARE,SP, BTL,500 ml, PR2 BOTTLE	11230581S
SPARE, KEYBOARD,W/ TRACKBALL,USB,11.5 x 7 x 1.5"	15010839S
SPARE, MIRROR,M4	15019623S
SPARE, BEAMSPLITTER,DICHROIC,20 DEG.,F3	15019624S
SPARE,ASSY,M3 MIRROR, 1 SCREW	15019797S
SPARE,CABLE,USB COMM CABLE,40 IN	15020033S
SPARE, CABLE ASSY,MAIN 2 CAVRO	15020034S
SPARE,CABLE,THERMAL TO RC-TEC	15020075S
SPARE, CABLE,THERMAL2RC-SENSOR	15020076S
SPARE, BOTTLE,WASTE,800ML	15020120S
SPARE, MAIN TO SPEAKER CABLE ASSEMBLY	15020344S
REFURB,ASSY,SIPPER CONSOLE BEZEL	15020380R
SPARE,ASSY,SIPPER CONSOLE BEZEL	15020380S
SPARE, PLUG,6-40 FLAT BOTTOM N	15020602S
SPARE, WASTE BOTTLE SIPPER TUBE	15020704S
SPARE, SLIDE TABLE,IGUS SLW-06	15020748S
SPARE, ASSY,SINGLE LUMEN 500ML	15020757S
SPARE,CABLE ASSY,M3 SENSOR	15020835S
SPARE,TUBING,WASTE LINE TO BOTTLE	15020836S
SPARE, CABLE ASSY,SENDOR PR2	15020954S
SPARE,CABLE ASSY,SENSOR WASTE FULL	15020955
SPARE,CABLE ASSY,SENSOR WASTE FULL	15020955S
SPARE, MODIFIED ISOLATOR	15021032S
SPARE,OPTIC,FILTER,F8 DOUBLE BANDPASS	15021901S
SPARE, SYRINGE PUMP AND BRACKET ASSEMBLY	15022294S
SPARE,ASSY, LED MODULE PT-39	15022597S
SPARE, LABEL,LEFT PANEL	15022682S
CABLE ASSY,CHILLER/PR2 SENSORS	15022743
SPARE, CHILLER/PR2 CABLE ASSEMBLY	15022743S
SPARE,CABLE,Y-STAGE CABLE	15022892S
SPARE,CABLE,MOTOR POWER CABLE	15022907S
SPARE,CABLE,MAIN TO IM-BREAKOUT	15022915S
SPARE,CABLE, FLOW SENSORS CABLE	15022949S

SPARE,CABLE ASSY,RC-DOOR SENSOR	15022965
SPARE, CAMERA	15023027S
SPARE, SIMPLE LED RCA BOARD	15023215S
SPARE, REAGENT DOOR ASSEMBLY	15023712S
SPARE, ASSY,LEFT FRONT COVER	15023713S
ASSY,RIGHT COVER,BOLT	15023715
REFURB, ASSY,CAMERA MODULE	15023845R
SPARE, ASSY,CAMERA MODULE	15023845S
REFURB, ASSY,ELEVATOR,SIPPER	15023896R
SPARE, SIPPER ELEVATOR ASSEMBLY	15023896S
SPARE, MAIN CONTROLLER PCA BOARD	15025004S
TOOL,T-HANDLE,M6 HEX KEY,6"	15025022
SPARE, CABLE,USB to RA R-3,72"	15025166S
SPARE, CRATE,SHIPPING	15025184S
SPARE,ASSY,AMBIENT TEMP THERMISTOR	15025186S
SYRINGE PUMP,TECAN XC,CERAMIC	15025370
REFURB, SYRINGE PUMP,TECAN XC	15025370R
SPARE, SYRINGE PUMP WITH 3WAY VALVE	15025370S
部 品 名	P/N
SPARE,CABLE,CAMERA POWER CABLE	15025399S
SPARE,FILTER,DUAL BAND DICHROIC,F2 EMISSIVE	15025408S
SPARE, ACCESSORIES,MiSeq	15025412S
SPARE, GROUND STRAP	15025418S
SPARE, ASSY,FCH,SIDE BUTTON,RF	15025602S
SPARE,CABLE,THERMAL TO FC-TEC	15026096S
CAP,1.1ML,Orange	15026864
Spare, CABLE ASSY,ValvePigtail	15026993S
SPARE,CABLE,24PORT VALVE POWER CABLE	15027051S
Spare, ASSY,DUAL LUMEN 500ML BOTTLE,PR2	15027391S
REFURB, ASSY,OBJECTIVE,12	15027685R
SPARE, CABLE,DB25 MALE TO DB25	15027758S
SPARE, COVER,RFID MOLDED,FCH	15027838S
SPARE,CABLE,USB COMM CABLE,50 IN	15028460S
SPARE, CABLE,USB TYPE A EXT,PNL F TO M,4 FT	15028645S
SPARE, ISOLATOR STANDOFF	15028648S
SPARE,ASSY,GIMBAL BAR	15028869S
SPARE,CABLE ASSY,CHILLER/PR2 S	15029259S
MISEQ STAGE SHIPPING BRACKET	15029340
MISEQ STAGE SHIPPING BRACKET	15029340S
SPARE,ASSY,FCH RFID W/CABLE	15029460S
SPARE,ASSY,FCH TEC,PROD MODS	15029741S
SPARE, FAN ASSY,INSTRUMENT FC FAN	15029939S
SPARE,RETAINER,MOLDED, F4	15030961S
SPARE, RETAINER, FILTER, F2, MOLDED	15030962S
SPARE, PCA,RFID READER BOARD,PCA ONLY	15032184S
SPARE, ASSY, LEFT FRONT COVER W/ FC DOOR CABLE ASSY	15032217S
REFURB,ASSY,Y-STAGE	15032340R
SPARE,ASSY,Y-STAGE	15032340S
SPARE, MISEQ V1 IMAGED HARD DRIVE	15032793S
REFURB, ASSY,E-BOX,MiSeq2	15032930R
SPARE, ASSY, E-BOX MISEQ 2	15032930S
ASSY,SYRINGE PUMP + BRACKET,MiSeq	15033217
SPARE,ASSY,JML PROJECTION LEN L1 <> L2	15034424S
SPARE, ACCESSORIES KIT	15034552
SPARE, ACCESSORIES KIT	15034552S
REFURB,ASSY,SBC	15034740R
REFURB,ASSY,SBC	15034740S
REFURB,ASSY,RHEO 24/25 V2 VALVE + BRACKET V2	15034844R
SPARE,ASSY,MISEQ V2 REAGENT VALVE + BRACKET	15034844S
SPARE,ASSY,REAGENT SELECTOR VALVE,V3,W/BRACKET	15040416S
SPARE,PCA,VALVE,ROTARY SELECTOR,24 POS/25 PORT,V3	15040418S
MISEQ 2, SPARE. HARD DRIVE, ENTERPRISE	15042386S
SPARE,POWER SUPPLY,ATX,750W	15049151S
INA-ASSY,ENTERPRISE,E-BOX,MiSeq2	15049822

SPARE,ASSY,ENTERPRISE,E-BOX,MiSeq2	15049822S
SPARE, ASSY,LEFT FRONT COVER,M	15049987S
SPARE,CABLE,DB25 MALE TO DB25 FEMALE,6' TO FCH TEC	15050118S
ASSY, FCH TEC	15051681
SPARE,POD,TitanHT VALVE HEAD,24-POS	15054969S
SPARE, ACCESSORIES,MiSeq FGx	15061155S
SPARE,ASSY,SBC, MINI ITX, w/ BIOS E2.01	15068101
SPARE, ASSY, LED MODULE, PT-39	15069870S
ASSY,ENTERPRISE,E-BOX,MiSeq2	15071474
KIT,MiSeq2 FIELD UPGRADE	15071522
Spare,KIT,MiSeq2 FIELD UPGRADE	15071522S
ASSY,CHILLER	15072605
ASSY,ENTERPRISE,E-BOX,MiSeq2	15076346
PCA,COMBO BOARD,MiSeq	20003020
部 品 名	P/N
ACCESSORIES,MISEQ2	20003488
ACCESSORIES,MISEQ FGX	20003508
SPARE,ASSY, LED MODULE PT-39	20003520
ASSY,ENTERPRISE,E-BOX,MiSeqRUO	20004199
PCA,VLV,ROTARY SELECTR,24 POS,SMT	20006366
SPARE,ASSY,ENTERPRISE,E-BOX	20014894
REFURBISHED,ASSY, CHILLER, MiSeq	20015756
SPARE,E-BOX,MiSeq,RUO, SSD 1TB	20020676
REFURB MAKE,MiSeq,RUO,E-BOX	20020679
SPARE,MiSeq,FGx,E-BOX	20020710
SPARE,MiSeq,RUO,SSD,1TB	20020716
UPGRADE KIT,MiSeq,RUO,HDD to SSD	20020718
SPARE,MiSeq,FGx,SSD,1TB	20020719
UPGRADE KIT,MiSeq,FGx,HDD to SSD	20020721
RFURB,SRVR,IMAGED,FORTRIS7441,MiSeqFGx	20024722
LBL,SMARK,FCC,UAE/TRA 3x1.75 INSTR	20024973
LBL,SMARK,FCC,UAE/TRA 3x1.75 MiSeqFGx	20025036
ASSY,RUO,CAM MOD,DIE CAST PNLS,CAMERA 1	20031175
ASSY,RUO,CAM MOD,DIE CAST PNLS,CAMERA 2	20031176
SPARE,ASSY,COMPENSATOR, MOUNTED W/MOTOR	20032931
MiSeq FGx, SSD+CUST IMG, Win10 BIOS	20042290
MiSeq RUO, SSD+CUST IMG, Win10 UEFI v3	20109783
MISEQ RUO 4.1 SW + SSD BIOS UPG KIT	20109784

iScan交換部品

部 品 名	P/N
SPARE, POWER CORD,AU,2.5M, BLACK	1001712S
POWER CORD, UNIVERSAL MF JUMPER 3M, ROHS	1004381
POWER CORD, UNIVERSAL MF JUMPE	1004381S
SPARE, KIT, ISCAN PREVENTIVE MAINTENANCE-PM	10521S
SPARE,PKG.BAGS,DESSICANT	11060607S
SPARE,SHAKER.MICROPLT,HS,230V	11140324S
SPARE, HEAT SEALER, 230V	11143103S
SPARE, STICKER VORTEXER, CALIBRATION	11162099
SPARE,STICKER.VORTEXER,CALIBRATION	11162099S
SPARE, TIP COLLAR.GENESIS	11176503S
SPARE,MAGNET.RAISED BAR	11177451S
SPARE, FEMALE FITTING 3/8ECT	11188045S
SPARE, MALE FITTING 3/8T	11188053S
SPARE, TEFLOW RACK, 48 POS	11188117S
SPARE, SILICON TUBING, 0.35 FT	11188141S
SPARE,ROCKER, OVEN ATTACHMENT	11188299S
SPARE, BACKPLATE.TEFLOW.FLOWCELL.STORAGE.BOX	11190268S
VALVE.DILUTER,TECAN,GENESIS	11190997
SCISSORS.DISSECTING.BENT	11191105
SPARE,SCISSORS.DISSECTING.BENT	11191105S
SPARE,HYBEX 220V	11191480S
SPARE,INFINIUM FLOW CELL TOOL	11195843S
SPARE, SS HOSE CLAMPS, 7/32'10/BOX	11197822S

SPARE,CONN,NYLON,L-SHAPE 300-545	11205511S
SPARE, WATERBATH,INSERT,HYBEX	11209563S
SPARE,INFINIUM STAINING SET STAININGRACK AND WASH DISH	11214397S
DESICCATOR,VACUUM	11214400
SPARE,DESSICCATOR,VACUUM	11214400S
TUBING,VACUUM	11214418
SPARE,TUBING,VACUUM	11214418S
TUBE RACKS,VACUUM DESICATOR	11214426
SPARE,TUBE RACKS,VACUUM DESICATOR	11214426S
REGULATOR,AIR FILTER	11216288
SPARE, AIR REGULATOR	11216288S
ASSY,SCANNER,KEYENCE,w/CONN	11227534
SPARE,ASSY, KEYENCE SCANNER INTEGRATED	11227534S
SPARE, EXTERNAL BARCODE SCANNER	11243180S
SPARE, DISH.CRYSTALIZING,191X100	11251850S
STEPPER MOTOR W/ DRIVER R AXIS	11257282
MOTOR,STEPPER P-AXIS W/ENCODMOT-1022	11257311
SPARE,HYB OVEN WITH ROCKER PLA	11277582S
部 品 名	P/N
SPARE,ASSY,COVER, FRONT	11285187S
SPARE,ASSY,COVER, LEFT	11285195S
SPARE,COVER,LEFT	11285259S
SPARE,COVER,RIGHT	11285267S
SPARE,TRIM, FRONT DOOR	11285291S
SPARE,PANEL.DOOR	11285355S
HOOK.SIDE, COVER	11285419
SPARE,HOOK.SIDE, COVER	11285419S
SPARE, CCA.LIGHT BAR, NEWTON	11293267S
SPARE,PULLEY,DOCKING,TRAY, UPPER	11294235S
SPRG.TORSION, DOOR, NEWTON	11297161
SPARE, TORSION SPRING FOR DOOR	11297161S
SPARE, Sensor,INS Crate,Impact	11311824S
SPARE, Sensor,INS Crate,Tippin	11311832S
SPARE, Sensor,INS Crate,Impact	11311841S
CONTROLLER,Z-STAGE,PIPHYSIK IN	11312624
SPARE,CONTROLLER,Z-STAGE,PIPHYSIK IN	11312624S
Cable Assy, Illumi,Dynamic Aut	15000078
SPARE, CABLE ASSY, ILLUMINI, DYNAMIC AUTOFOC	15000078S
BASE.ROBOT TIP GUIDE, 3X	15000232
SPARE, BASE.ROBOT TIP GUIDE, 3Product No Catalog No Stocking Type Generate Price	15000232S
SPARE, APC RBC7,REPLACEMENT BATTERY	15000364S
ASSY,CENTER CLAMP,CLUSTER STAT	15000580S
PKG.REBAR AIR TABLE	15001347
ASSY,LEFT CLAMP,CLUSTER STATIO	15002397S
SPARE,ASSY,XY STAGE LIMIT BAR	15002811S
ASSY,RIGHT CLAMP,CLUSTER STATI	15003154S
SPARE,FILTER, RED EMMISION FILTER ASSEMBLY	15004221S
SPARE,FILTER,GREEN EMMISION FILTER ASSEMBLY	15004224S
Monitor, Universal Instrument	15004676
SPARE,PCA, RED LASER ADAPTER BOARD	15004732S
REFURB,LASER.658nm,COHERENT	15005106R
SPARE, COHERENT RED LASER, 658NM	15005106S
SPARE, COHERENT RED LASER WITH MOUNTS, 658NM	15005838S
SPARE,MOTOR,DOCKING STATION TRAY MOTOR	15007434S
SPARE, MAIN PCB MODULE ASSEMBLY	15009464S
SPARE, ISCAN+ UPGRADE KIT	15009938S
ASSY.TIP GUIDE,8X1,BARCODE	15011765
SPARE, ASSY.TIP GUIDE,8X1,BARC	15011765S
SPARE, ISCAN PACKAGING MATERIALS ASSEMBLY	15011858S
SPARE, INFINIUM CHAMBER SPACER	15012072S
SPARE, DYED BEAD STANDARD BEADCHIP, 12X1	15013953S
SPARE, BOX,RE-ISCAN,PC MONITOR	15016812S
FOAM,RE-ISCAN,PC MONITOR	15017195

PLATE,BACK,4mm,TRIANGLE (8PK)	15019708
SPARE, STATUS TAG WITH HOLSTER	15021035S
SPARE, CAP GAP SPACER, FIT TAP	15021036S
SPARE, INFINIUM TEFLOW CHAMBER	15022000S
Spare, Assy.Motor, Haydon, 5V	15030242S
SPARE,RECIRC PUMP. VWR AP 7L.120V	15033383
SPARE, RECIRCULATING PUMP, 7L,	15033383S
UPS.POWERVAR,800VA,JAP	15034122
UPS.POWERVAR,800VA,CHINA	15034126
RECIRC PUMP. VWR AP 7L, 240V	15035630
SPARE, RECIRCULATING PUMP, 7L, 240V	15035630S
APC.Smart-UPS,1500VA,230V	15037854
SPARE, APC.Smart-UPS,1500VA,230V	15037854S
SPARE, APC.Smart-UPS,1500VA,120 V	15037855S
SPARE,CABLE,CAMERLINK,EBOX TO CAMERA	15039106
部 品 名	P/N
CARBOY CAP, VENTED WASTE 0.25 IN	15040866
SPARE, CARBOY CAP, VENTED WASTE 0.25 IN	15040866S
SPARE.CABLE.USB A(M) TO USB MI	15041417S
SPARE, MEM.USB,FLASH DRIVE, SanDisk 004G	15052578S
Cable. ExcelsiorOne PWR SPLY	15054265
Laser Shield. Newport ExcelsiorOne532	15054484
SPARE,CABLE, HARNESS #1,NEWPORT GREEN LASER	15054485
SPARE,LASER,NEWPORT 532 GREEN LASER	15055069
CABLE.SNSR,ARRAY HEIGHT	171037
SPARE, GRAY EPOXY ADHESIVE, 3501 B/A	173948S
SPARE,HYBEX.115V,w,MICROTUBE B	175716S
SPARE,HYBEX.220V,w,MICROTUBE B	175724S
SPARE,SHAKER.MICROPLT,HS,110/1	175732S
SPARE,FASTNER.LOOP, ADH,HIGH T	179477S
SPARE, NYLON HOOK FASTENER	179485S
SPARE, BEADCHIP GLASS TRAY 1 TRAY	198205S
SPARE, TEFLOW THERMOMETER ASSEMBLY	198344S
SPARE, SET SCREW.M2X3,SS	199929S
UPS. PowerVar. 800VA/720W. AMR	20002286
UPS. PowerVar. 660VA/560W. JAP	20002287
UPS. PowerVar. 800VA/720W. UK	20002288
UPS. PowerVar. 800VA/720W. INT'L	20002289
UPS. PowerVar. 800VA/720W. CHN	20002330
Spare.Cable,Newport Laser Safety to LSR2	20006264
SPARE,ASSY.MONITOR NEC 19"	20016372
HEAT SEALER, MANUAL, 100-240V	20018535
SPARE,ASSY, LINEAR ACTUATOR, TIP-TILT MOTOR	20022643
SPARE,KIT,NEWPORTGREEN LASER UPGRADE	20024021
UPS. APC-SMT1500C. 120V. 1440VA	20028844
SPARE,ASSY BEAM COMBINER, 658nm PASS, 532nm REF	20032005
Spare. ASSY.BCR	20032006
Spare. iScan.COVER.LEFT	20034783
Spare. iScan TRIM DOOR	20034784
KIT, iScan F7441 WINDOWS 10 UPGRADE SSD	20036571
Assy. Spare iScan Configured PC (WIN 10)	20037146
SPARE, COMPUTER ASSEMBLY (WIN 10)	20037147
SPARE. ASSY. MIRROR, M2	20039001
SPARE. ASSY. MIRROR, FOLDING, M3	20039002
SPARE. ASSY. MIRROR, FOLDING, M4	20039003
SPARE. ASSY, ISCAN EBOX	20039289
APC SMART-UPS,230V	20041793
ASSY, SPARE iSCAN CONFIGURED PC A8202 WIN10	20043483
CABLE, CAMLINK, MDR-SDR, 3M	20044977
Monitor.iScan.EA193MI-BK	20045450
FRAMEGRABBER, FIREBIRD 2PE4L	20050250
Assy. Spare iScan Cfg PC A8202 FireBird	20072599
Spare. Assy. RUO iScan. Cover. Front	20090994
INFINIUM STAINING SET	20101202

SPARE,HYB CHAMBER GASKET, INFI	210930S
SPARE,HYB CHAMBER, INFINIUM 1	210948S
SPARE, KRYTOX SOLVENT, VERTREL XF	210999S
SPARE, LUBIT-8 LUBRICANT	211001S
SPARE,INSERT.MIDI PLT HEAT BLO	211191S
HYB CHAMBER, FOOT, RUBBER, W/WASHER	215589
SPARE,FEET.RUBBER,W/WASHER	215589S
SCR.SCKTHD,M3X6,SST	215597
SPARE,SCR,SCKTHD,M3X6,SST	215597S
Infinium Hybridization Chamber Latch, With Bottom	215765
Infinium Hybridization Chamber Latch, With Bottom	215765S
部 品 名	P/N
SPARE,MAT.SILICONE,FOR OVEN SI	218317S
HYB CHAMBER, SCREWS, SCR.M3X4 TRIM HEAD,SS	218325
HYB CHAMBER, SCREWS, SCR.M3X4 TRIM HEAD,SS	218325S
ASSY.MULTI-SAMPLE,ALIGN,JIG	218528
SPARE,ASSY.MULTI-SAMPLE,ALIGN,	218528S
TABLE.VIBRATION,AIR	222009
SPARE, VIBRATION AIR TABLE	222009S
SPARE,INSERT.BEADCHIP HYB CHAM	222682S
SPARE,ASSY, Z-STAGE	223052S
SPARE, METROLOGIC BARCODE SCANNER	224080S
CABLE.USB TO SERIAL PORT 26-94	224098
SPARE,CABLE, USB TO SERIAL PORT,WIN 7	224098S
SPARE, FOAM SHIPPING RESTRAINTS	226851S
SPARE,PULLEY,CHAIN DRIVE,0.5"	230623S
SPARE,MOTOR,X-STAGE,IMS M-DRIV	230922S
SPARE,ASSY, X-Y STAGE	230973S
SPARE, KINEMATIC MIRROR ASSEMBLY	231204S
SPARE,PCA, DRIVER MODULE ASSEMBLY	231731S
SPARE, Z CONTROL PCB MODULE ASSEMBLY	231802S
SPARE,PCA,VIX-CONTROL MODULE ASSEMBLY	231829S
SPARE,BEAM EXPANDER,532nm,VARIABLE	233613S
CHAIN.DRIVE,208 PTCH	235387
SPARE, CHAIN.DRIVE,208 PTCH	235387S
SPARE,PCA, FRAMEGRABBER CAMERALINK	235838
SPARE,PCA, FRAMEGRABBER CAMERALINK	235838S
CABLE.CAMERALINK,BOARD,3M	235846
SPARE,CABLE,CAMERALINK EBOX TO PC	235846S
SPARE,CABLE.ETHERNET,3M	235871S
SPARE,PCA,DOCKING STATION BOARD	236849S
SPARE,BELT.3MM X30 PTCH	237104S
CABLE ASSY. HARNESS #3	237227
SPARE, TRAY MOTOR DRIVE O-RING, #120 EPDM	237489S
SPARE,ASSY,BEAM COMBINER, 658nm PASS, 532nm REF	237817
SPARE, FILTER FLIPPER MOTOR	238334S
SPARE,ASSY,ADAPTER PLATE	240805S
SPARE, KEYBOARD.COMPACT	241402S
SPARE, Z-CONTROL PCB MODULE ASSEMBLY, NEWTON	243168S
SPARE, Z-AMP PCB MODULE ASSEMBLY, NEWTON	243205S
SPARE,ASSY.POWELL X-Y THETA AD	244259S
SPARE, GREEN EXCITATION FILTER WHEEL, 532NM	244339S
SPARE, CCA.FW DBL	244347S
SPARE, RED EXCITATION FILTER WHEEL, 658NM	244427S
SPARE, GREEN LASER, 532NM	244443S
SPARE,LENS,OBJECTIVE,MS,MPLFLN20X	244451
SPARE,CABLE ASSY. HARNESS #2	250501S
SPARE,CABLE, DOCKING STATION FLAT CABLE	250616S
SPARE, COMM&PCI PCB MODULE ASSEMBLY	250851S
SPARE, DC2DC PCB MODULE ASSEMBLY	250886S
ASSY.PCB MODULE,PEM<><>AC/DC	250894
SPARE,ASSY.PCB MODULE,PEM&AC/D	250894S
SPARE,CABLE.PWR,CAMERA,C100000-504	251011

SPARE, CABLE,HARNESS #1 COHERENT GREEN LASER	256655S
SPARE,CABLE.PI Z-AMP TO PANEL	256786S
SPARE,CABLE.FRNT PNL,Z-CNTRL-L	257148S
SPARE, LASER SAFETY BOARD	258159S
SPARE, LASER SAFETY TO DOOR CABLE	258175S
SPARE, LASER SAFETY TO LASER1 CABLE	258204S
SPARE, LASER SAFETY TO LASER2 CABLE	258212S
SPARE, USB-A TO USB-A CABLE	258482S
SPARE, THREAD LOCKER, LOCTITE	280428S
WIPES,Q-TIP CLEANING	301461
SPARE, Q-TIP CLEANING WIPES	301461S
CLAMP,PZT STAGE	305550
部 品 名	P/N
SPARE,CLAMP,PZT STAGE	305550S
SPARE, ASSY.SUPERMOUNT	306552S
SPARE,ASSY.CONTROLLER,CAMERA	306894S
SPARE, CAMERA MODULE ASSEMBLY	306907S
SPARE,ASSY.SHIPPING CONTAINER	306982S
SPARE, LASER BOARD BRACKET	309121S
SPARE, EXTENDED OPTICS BENCH COVER	309219S
ISCAN CABLE.FAN ASSY,80X25,12V,31CFM	309260
SPARE, CABLE.FAN ASSY,80X25,12	309260S
SPARE,MAGNET.0.5"ODx0.25"Hx7LB	310014S
SPARE, HISEQ TILT MOTORS	312101S
CABLE.USB EXT,15FT	313007
SPARE,CABLE.USB EXT,15FT	313007S
CABLE,DVI-D,M-M,15FT	313040
SPARE,CABLE,DVI-D,M-M,15FT	313040S
SPARE,JUMPER.SNSR EX FLTR 532	314069S
SPARE, JUMPER.SNSR EX FLTR 658	314077S
SPARE,FAN, FILTER AND PLASTIC GUARD	314114S
SPARE,ASSY. DOCKING STATION	317340S
SPARE, MOTOR, TILT ASM	317382S
SPARE, FASTENER, M2X0.4X20	317391S