

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3年4月1日 ～ 令和4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
Power Meter	15009172
SPARE,TOOL,THERMOCOUPLE,T-TYPE	15022967S
SPARE,VALVE,SOLENOID FOR V2 PUMPS	15026422S
Spare, Torque Wrench, 0.5 – 4.0 in/lbs	15050210S
SPARE,SYRINGE, 1000 UL, UHMWPE, XMP	20007192
SPARE,VALVE,USED REAGENT	20007194
SPARE,SENSOR, PRESSURE, 50 PSIA	20007196
SPARE,SENSOR,FLOWRATE SENSOR	20007197
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
SPARE,ASSY, DEGASSER, 4-CHANNEL	20007205
ASSY, INTERNAL KIT, FLUIDICS MODULE	20007208
ASSY, TUBING KIT, POST LINES	20007214
NOVASEQ, ASSY, EXTERNAL, USED REAGENT WASTE TUBING KIT	20007219
ASSY, TUBING KIT, BIM	20007222
ASSY, TUBING KIT, CHASSIS	20007223
ASSY,16PORT_ETHERNET_GB_SWITCH	20007483
NovaSeq, RCA Y Drive Assembly	20007583
ASSEMBLY, VACUUM PUMP	20007685
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
SPRING, COMPRESSION, END CAP	20007999
ASSY, NovaSeq Lightband	20010289
SPARE, HOOK, DOORLOCK LATCH	20010703
WIRELESS KBD-MSE_COMBO	20010844
ASSY, BOTTLE, SOUR 2	20010989
ASSY, BOTTLE, SOUR 1	20011041
ABSORBER, SPILL MITIGATION, XYA	20011148
ASSY, COOLANT MANIFOLD	20011245
MICRO MINIMASTER TORQUE SCREWDRIVER	20011269
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_H1 COOLING PUMP EXT	20011989
SPARE,FILTER, MERV5, 0.5" X 10" X 15"	20013361
SPARE,FILTER, MERV5, 0.5" X 8" X 5.5"	20013362
NOVASEQ,ASSY, RADIATOR AND FAN	20013547
CBL,APX_FIB_H3 LSR DIODE FTM	20013634
SPARE,ASSY,XY STAGE	20013666
NovaSeq, Single Board Computer (SBC)	20013671
NovaSeq Z Stage Board	20013725
ASSY, BIRD, SOLID STATE, TESTED	20013726
ASSY, COMPUTE MODULE (CE)	20013742
FILTER, DRAIN, WATTS 1/4NPT	20013745
ASSY, PERIPHERALS CRATE NOVASEQ	20013767
SPARE,PCA,FIB,FOCUS INTERFACE BOARD	20013952
NovaSeq FLU Board	20013953
SPARE,PCA,SYSTEM THERMAL BOARD	20013955
PCA, APX PILOT, RCA SSB	20013956
PCA, APX PILOT, BIM SSB	20013957

部 品 名	P/N
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, WASH CARTRIDGE, SBS w/ PKG	20015692
ASSY, WASH CARTRIDGE, PE w/ PKG	20015693
NovaSeq, RCA Lock TAB	20016131
HEATER CAL TOOL, NOVASEQ	20016217
ASSY, TOOL KIT, NOVASEQ	20016382
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, ASSEMBLED	20016511
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
OUTLET AIR DUCT, TRANSITION, 10IN	20018594
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,H4 FAN2 TERMINAL	20019317
CBL,APX,FCH H21,AIR SHIELD TERMINAL	20019390
Protective Objective Shield (POS)	20019411
Refurb, RCA, TL, NOVASEQ	20019492
REFURB, COMPUTE ENGINE, NOVASEQ	20019497
REFURB, XY STAGE, NOVASEQ	20019503
SPARE,ASSY, ELMO CONTROLLER, XY STAGE, 11.80	20019530
NovaSeq CE 27.0.C04.20170504 USB Kit	20022236
NovaSeq SBC 30.0.C04.20170628 USB Kit	20022237
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
ASSY, ADPTR,CNVRSN,COOLANT TRAY REFILL	20023186
NovaSeq,Preventive Maintenance Kit	20023458
ASSY, DUAL ACTUATION DECK 2.0	20023899
DIGITAL PWR,METER CONSOLE,PM100D	20024931
NovaSeq SBC 30.0.C06.20171214 USB Kit	20024980
NovaSeq LGM, VES	20025662
REFURBISHED, LGM_VES	20025665

部 品 名	P/N
KIT, LGM COOLANT DRAIN, NovaSeq	20030014
REFURB, DUAL ACTUATION DECK 2.0, NOVASEQ	20030654
ASSY,EOM AND SHIP KIT, NOVASEQ	20031821
KIT,STABLZR FT,UPS,SKOREA,COL,THAI,MEX	20032236
DIGITAL MULTIMETER	20033630
SINGLE INPUT DIGITAL THERMOMETER	20033631
DUAL INPUT DIGITAL THERMOMETER	20033632
PRESSURE/VACUUM MODULE	20033633
DIGITAL PWR,METER CONSOLE	20033634
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
POWER SENSOR, SI, 400-1100nm, 500mW	20037514
CBL,APX,MISC,H4 SBC-ELO MONITOR,HDMI	20041735
NovaSeq, KOOLANCE LIQUID COOLANT, PURPLE, 700ML	20043106
NovaSeq, KOOLANCE LIQUID COOLANT, RED, 700ML	20043107
REFURB, ASSY,COMPUTE ENGINE,NORTHSHORE	20049017

MiSeq交換部品

部 品 名	P/N
POWER CORD,NA,2.44M	0419-0023
BOTTLE,STORAGE,250ML, POLYSTYR	1000320
SPARE, POWER CORD,AU,2.5M, BLA	1001712S
POWER CORD,CHINA,2.5M, BLACK,F	1001722
SPARE,EXTENDER TOOL,HDLESS, MICRO-NANO NUT,N-290	1002595S
SPARE, TARGET. ALIGNMENT, 1MM	1005694S
SPARE,ASSY,THERMISTOR	10506S
SPARE, CRATES SYSTEM RETURN MISEQ	10567S
SPARE, KIT, MISEQ PREVENTIVE MAINTENANCE-PM	10651
SPARE,SP,BTL,500 ml,PR2 BOTTLE	11230581
MOUNT,LEVELING,¼"-20x1"	15001525
SPARE, WASTE BOTTLE SENSOR	15005898
SPARE, GROUND STRAP	15010678S
SPARE, KEYBOARD,W/ TRACKBALL,USB,11.5 x 7 x 1.5"	15010839S
SPARE, CORDSET, INDIA/SOUTH AF	15011843S
SPARE, LUBRICANT,PTFE GREASE	15018061S
REFURB, LENS,OBJECTIVE,NIKON	15019615R
SPARE, MIRROR, M1	15019621
SPARE,MIRROR,DICHROIC,F4	15019622
SPARE,MIRROR,M4	15019623
SPARE,BEAMSPLITTER,DICHROIC,F3	15019624
MISEQ, CABLE ASSY,ZAMP 2 MAIN	15019698
SPARE, CABLE ASSY,ZAMP 2 MAIN	15019698S
SPARE,FILTER,DUAL BAND F1 EMISSIVE	15019701
SPARE, CABLE,RIBBON CABLE,SBC-MAIN	15019829S
SPARE,CABLE,USB COMM CABLE,40 IN	15020033
CABLE ASSY,MAIN 2 CAVRO	15020034
SPARE,CABLE,THERMAL TO RC-TEC	15020075
CABLE,THERMAL2RC-SENSORS	15020076
CARTRIDGE,50X26.5MM,28X14MM FL	15020142
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
SIPPER TUBE,WASTE BOTTLE	15020704
SPARE, ASSY,SINGLE LUMEN 500ML	15020757S
SPARE,TUBING,WASTE LINE TO BOTTLE	15020836
SPARE,CABLE ASSY,SENSOR WASTE FULL	15020955
SPARE, MODIFIED ISOLATOR	15021032S
CAM,ADJUST,M	15021153
SPARE,OPTIC,FILTER,F8 DOUBLE BANDPASS	15021901
SPARE, CABLE ASSY,LVDS2PANEL	15022112S
SPARE, CABLE ASSY,BACKLIGHT2PA	15022116S
SPARE, DISK DRIVE COVER,REAR METAL PLATE	15022182S
SPARE, LABEL,LEFT PANEL	15022682S
SPARE, FOAM GASKET, CHILLER, ADH BACKED	15022863S
SPARE,CABLE,Y-STAGE CABLE	15022892
SPARE,CABLE,MOTOR POWER CABLE	15022907
SPARE,CABLE,MAIN TO IM-BREAKOUT	15022915
SPARE,CABLE, FLOW SENSORS CABLE	15022949
SPARE,CABLE ASSY,RC-DOOR SENSOR	15022965S
SPARE,TOOL,THERMOCOUPLE,T-TYPE	15022967S
SPARE, CAP PLUG,800ML WASTE	15023026S

部 品 名	P/N
SPARE, TUBING, REAGENT VALVE TO MANIFOLD	15023095S
SPARE, FLOWCELL DOOR CABLE ASSEMBLY	15023154S
SPARE, CABLE, ETHERNET EXT, PNL	15023181S
PCA, SIMPLE LED BOARD (SLB)	15023215
SPARE, LCD TOUCHSCREEN ASSEMBLY, 12.1"	15023379S
SPARE, MOTOR, SIPPER ELEVATOR MOTOR	15023434S
SPARE, SPRING, COMP, 0.125" OD X 0.313" L, SS, MANIFOLD	15023559
SPARE, AIR FILTER, 12X20X0.5	15023705S
SPARE, TOOLING, ADJUST, TUBE	15023706S
SPARE, REAGENT DOOR ASSEMBLY	15023712S
SPARE, BRKT, CAMERA Y-AXIS ADJUST	15023894S
SPARE, KAPTON TAPE, 0.5", SILICO	15023907S
MISEQ, TOOL, CAMERA X-AXIS ADJUSTER	15024104
SPARE, SIPPER ELEVATOR MOTOR ASSEMBLY	15024802S
SPARE, TOOL, T-HANDLE, 5/64" HEX	15025021S
SPARE, TOOL, T-HANDLE, M6 HEX KEY, 6"	15025022S
SPARE, CABLE, USB to RA R-3, 72"	15025166S
SPARE, ASSY, AMBIENT TEMP THERMISTOR	15025186
SPARE, PIERCING PROBE ASSEMBLY	15025369S
REFURB, SYRINGE PUMP, TECAN XC	15025370R
SPARE, CABLE, CAMERA POWER CABLE	15025399
SPARE, CABLE, LED POWER CABLE	15025405S
SPARE, FILTER, DUAL BAND DICHROIC, F2 EMISSIVE	15025408
SPARE, ACCESSORIES, MiSeq	15025412S
INA-GROUND STRAP, 12 GA, #8 LUGS	15025418
SPARE, CABLE, 2 USB to 10 PIN H	15025564S
SPARE, TUBING, FC OUTLET TO PUMP	15026038S
SPARE, CABLE, THERMAL TO FC-TEC	15026096
NUDGER, VERT CAMERA ADJUST	15026291
SPARE, ASSY, TOOL KIT, ALIGNMENT	15026398S
SPARE, BUTTON, SQUARE MACHINED, PLASTIC	15026439
SPARE, CABLE ASSY, Valve Pigtail	15026993S
SPARE, CABLE, 24PORT VALVE POWER CABLE	15027051S
ASSY, DUAL LUMEN 500ML BOTTLE,	15027391
MISEQ, COVER, RFID MOLDED, FCH	15027838
SPARE, CLOTH, BLACKOUT, 3' X 3'	15027879S
SPARE, CABLE, USB COMM CABLE, 50 IN	15028460S
SPARE, TOOL, MANIFOLD ALIGN, SS	15028472S
MISEQ, CABLE, USB TYPE A EXT, PNL F TO EBOX	15028645
SPARE, ISOLATOR STANDOFF	15028648S
SPARE, ASSY, GIMBAL BAR	15028869
SPARE, ASSY, COATED RFID PCA, WITH PIGTAIL	15028993S
SPARE, WASH TRAY, MOLDED	15029147S
SPARE, CABLE, LVDS TO DISPLAY, SHIELD	15029176
SPARE, CABLE ASSY, JUMPER, FRONT	15029220S
MISEQ, CABLE ASSY, CHILLER/PR2 SENSORS	15029259
SPARE, ASSY, OPTICAL TEST TARGE	15029331S
MISEQ STAGE SHIPPING BRACKET	15029340S
SPARE, ASSY, FCH RFID W/CABLE	15029460
SPARE, ASSY, ALIGNMENT TOOL, THETA Z, UNIV	15029808S
SPARE, FAN, INSTRUMENT, REAR FAN	15029939
SPARE, APERTURE, A1	15030018
SPARE, ASSY, GENERIC TOOL BOX	15030145S
SPARE, WRENCH, FLUIDICS	15030491S
FERRITE, HI FREQ, EMI, SNAP-ON, 5.30MM CABLE	15030565
SPARE, COMBO PCA BOARD	15030664S
SPARE, RETAINER, MOLDED, F8	15030960S
SPARE, RETAINER, MOLDED, F4	15030961
MISEQ, RETAINER, FILTER, F2, MOLDED	15030962

部 品 名	P/N
RETAINER,FILTER, F3, MOLDED	15030964
SPARE,RETAINER, MOLDED,M1	15030965
ASSY,EMISSIONS COVER	15031508
SPARE, ASSY, MANIFOLD, 2 PORT, MISEQ	15031543S
SPARE, PCA,RFID READER BOARD,PCA ONLY	15032184
SPARE,ASSY,Y-STAGE	15032340
REFURB,ASSY,Y-STAGE	15032340R
SPARE, SYRINGE, XC,500uL	15032935S
SNAP CLIP,IM MODULE,0.025 inch,1/2 HARD SST	15033177
SPARE,ASSY,DOOR,CHILLER	15033232S
SPARE,TUBING,VALVE TO CHILLER SIPPER	15033702S
SPARE,ASSY,JML PROJECTION LEN L1 <(>&<)> L2	15034424
REFURB,ASSY,RHEO 24/25 V2 VALVE + BRACKET V2	15034844R
SPARE,ASSY,MISEQ V2 REAGENT VALVE + BRACKET	15034844S
Spare, Torque Adapter, 1/4 ? 28 extender tool	15036791S
HISEQ 2500 UPGRADE PLUG,6-40,FLAT BOTTOM,PEEK	15038429
SPARE,PEEK PROBE	15044014S
SPARE,TOOL,EXTENDER,MODIFIED,6	15045810S
SPARE,TOOL,EXTENDER, MODIFIED	15045811S
SPARE,CABLE,DB25 MALE TO DB25 FEMALE,6' TO FCH TEC	15050118S
SPARE,BOTTLE,WASTE,750ML	15050167S
Spare, Torque Wrench, 0.5 - 4.0 in/lbs	15050210S
SPARE, TEMP Logger, USB	15050218S
Spare, Torque Wrench W/ Adapte	15050219S
SPARE,ASSY,FCH TEC	15051681S
MiSeq,Ground cable,P-603K010 Piezo Z-Stage	15056887
SPARE,ASSY,SBC, MINI ITX, w/ BIOS E2.01	15068101
SPARE,ASSY,CHILLER	15072605S
SPARE, SIPPER ELEVATOR ASSEMBLY	15072617S
SPARE,POWER SUPPLY,ATX,750W	15076343
SPARE, Z-STAGE WITH OBJECTIVE, PI CONTROLLER	20000525
WRIST STRAP, ESD, FABRIC, ADJUSTABLE	20000856
LENS,OBJECTIVE,DAMPED,MISEQ	20001741
Assy, MiSeq Power Supply W Custom Cable	20001836
ASSY,TOP REAR COVER,MiSeq	20003022
VALVE HEAD,ROTARY,24 POSITION,w/SMT PCA	20003056
ACCESSORIES,MISEQ2	20003488
SPARE,ASSY, LED MODULE PT-39	20003520
ASSY,VALVE,ROTARY,24POS,SMT,W/BRACKET	20004531
SPARE,ASSY, LED MODULE PT-39	20005895
PCA,VLV,ROTARY SELECTR,24 POS,SMT	20006366
ASSY,SBC,MiniITX,w/BIOS2.01,LAN2.1,MiSeq	20010733
WIRELESS_KBD-MSE_COMBO	20010844
ASSY,L8	20011910
PCA,MAIN CONTROLLER BOARD, RoHS	20012905
FRAME,CONSOLE	20014480
SPARE,ASSY,ENTERPRISE,E-BOX	20014894
REFURBISHED,ASSY, CHILLER, MiSeq	20015756
ASSY,FCH,SIDE BUTTON,RFID	20015820
CAMERA,SONY,MiSeq	20016850
SPARE,ASSY,CAMERA MODULE,SONY S1/S2	20019011
ASSY,TEC,CHILLER,SHIELDED,EMC	20019909
MiSeq,RUO,SSD+CUST IMG	20020634
SPARE,E-BOX,MiSeq,RUO, SSD 1TB	20020676
UPGRADE KIT,MiSeq,RUO,HDD to SSD	20020718
SPARE, Assy, Reagent Wash Tray, RFID	20022279
MISEQ, SYRINGE PUMP, 3 WAY DIST SOLENOID	20024515
SYRINGE, TCS, BLK UHMWPE 500uL VOLUME, MISEQ	20025010
SPARE,ASSY, SYRINGE PUMP, SOLENOID + BRACKET	20025890

部 品 名	P/N
SPARE, ASSY OPTIC, M3 FOLDING MIRROR, 2 SCREWS	20025947
CBL ASSY,SENSOR WASTE FULL,Miseq	20027211
CABLE ASSY, SIPPER SENSOR CABLE ASSY	20028344
ASSY,RUO,CAM MOD,DIE CAST PNLS,CAMERA 1	20031175
ASSY,RUO,CAM MOD,DIE CAST PNLS,CAMERA 2	20031176
SPARE,MOTOR, FOR COMPENSATOR OR M3	20032622
DIGITAL MULTIMETER	20033630
SINGLE INPUT DIGITAL THERMOMETER	20033631
DUAL INPUT DIGITAL THERMOMETER	20033632
DIGITAL PWR,METER CONSOLE	20033634
PCA,COMBO BOARD, MiSeq,RED LED FIX	20034617
POWER SENSOR, SI, 400-1100nm, 500mW	20037514
CABLE ASSY,PM-F25,SENSOR M3 MIRROR	20042274
MISEQ, ASSY, COMPENSATOR WITH MOTOR, V2	20042278
MISEQ RUO 4.0 SW + SSD BIOS UPG KIT	20042289
CABLE,PR2 ENGAGED SENSOR	20046800
SPARE, THREAD LOCKER, LOCTITE	280428S

iScan交換部品

部 品 名	P/N
SPARE, POWER CORD,AU,2.5M, BLA	1001712S
POWER CORD, UNIVERSAL MF JUMPER 3M, ROHS	1004381
SPARE, KIT, ISCAN PREVENTIVE MAINTENANCE-PM	10521S
SPARE,PKG.BAGS,DESSICANT	11060607S
SHAKER,MICROPLT,HS,230V	11140324
SPARE,STICKER,VORTEXER,CALIBRATION	11162099S
SPARE, TIP COLLAR,GENESIS	11176503S
SPARE, DIGITAL STROBOSCOPE	11177151S
SPARE, DIGITAL FULL SCALE THERMOMETER	11186277S
SPARE, FEMALE FITTING 3/8ECT	11188045S
SPARE, MALE FITTING 3/8T	11188053S
Infinium Teflow Chamber (1)	11188096
TEFLOW-THROUGH RACK, 48 POS	11188117
Infinium Te-Flow Tubing	11188141
Infinium Rocker Attachment for Hybridization Oven	11188299
SCISSORS.DISSECTING.BENT	11191105
SciGene TruTemp Heating System (110V)	11191471
SciGene TruTemp Heating System (220V)	11191480
Infinium Flow Cell Tool	11195843
SPARE, SS HOSE CLAMPS, 7/32"10/BOX	11197822S
Infinium Staining Rack (1)	11214397
DESSICATOR.VACUUM	11214400
TUBE RACKS.VACUUM DESICATOR	11214426
REGULATOR.AIR FILTER	11216288
SPARE, DISH.CRYSTALIZING,191X100	11251850S
Illumina Hybridization Oven (110V)	11277582
Illumina Hybridization Oven (220V)	11277591
SPARE,ASSY,COVER, FRONT	11285187S
SPARE,ASSY,COVER, LEFT	11285195S
COVER.LEFT	11285259
SPARE,ASSY,DC PC W/MONITOR	11287975S
SPARE,CCA, LIGHT BAR	11293267
SPARE,CABLE.CONVERTER,USB TO SERIAL,6 IN	11302741
SPARE, Sensor,INS Crate,Tippin	11311832S
SPARE, Sensor,INS Crate,Impact	11311841S
SPARE, BASE.ROBOT TIP GUIDE, 3Product No Catalog No Stocking Type Generate Price	15000232S
SPARE, APC RBC7,REPLACEMENT BATTERY	15000364S
PKG.REBAR AIR TABLE	15001347
SPARE,ASSY,XY STAGE LIMIT BAR	15002811S

部 品 名	P/N
SPARE,FILTER, RED EMMISION FILTER ASSEMBLY	15004221S
SPARE,FILTER,GREEN EMMISION FILTER ASSEMBLY	15004224S
SPARE,PCA, RED LASER ADAPTER BOARD	15004732
REFURB,LASER,658nm,COHERENT	15005106R
SPARE, COHERENT RED LASER, 658NM	15005106S
SPARE, COHERENT RED LASER WITH MOUNTS, 658NM	15005838S
Power Meter	15009172
SPARE, MAIN PCB MODULE ASSEMBLY	15009464S
SPARE, ISCAN+ UPGRADE KIT	15009938S
ASSY.TIP GUIDE,8X1,BARCODE	15011765
SPARE, ISCAN PACKAGING MATERIALS ASSEMBLY	15011858S
Infinium HD Te-Flow Chamber Spacers (box of 500. Use 15012072S for Service orders.	15012072
FOAM,RE-ISCAN,PC MONITOR	15017195
PLATE,BACK,4mm,TRIANGLE (8PK)	15019708
POWER METER HOLDER ASSY	15020683
SPARE, STATUS TAG WITH HOLSTER	15021035S
CAP GAP SPACER, FIT TPER, 1.75mm, 500/Bx	15021036
INFINIUM TEFLOW CHAMBER LCG	15022000
ASSY.CHASSIS/BACKPLANE.SHORT R	15022220
SPARE, CLOTH,BLACKOUT,3' X 3'	15027879S
CALIPER,ELECTRONIC,INCH / METRIC	15030172
Spare, Assy.Motor, Haydon, 5V	15030242S
SPARE,RECIRC PUMP, VWR AP 7L,120V	15033383
UPS.POWERVAR,800VA,CHINA	15034126
RECIRC PUMP, VWR AP 7L, 240V	15035630
APC.Smart-UPS,1500VA,230V	15037854
SPARE,CABLE,CAMERLINK,EBOX TO CAMERA	15039106
CARBOY CAP, VENTED WASTE 0.25 IN	15040866
SPARE,CABLE,USB_A(M) TO USB_MI	15041417S
SPARE, TEMP Logger, USB	15050218S
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
Infinium High-Speed Microplate Shaker (110/120V)	175732
SPARE,FASTNER,LOOP, ADH,HIGH T	179477S
SPARE, NYLON HOOK FASTENER	179485S
Infinium BeadChip Glass Tray (1)	198205
ASSY, TEFLOW OMEGA, THERMOMETER ASSEMBLY	198344
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
HEAT SEALER, MANUAL, 100-240V	20018535
SPARE,ASSY, LINEAR ACTUATOR, TIP-TILT MOTOR	20022643
SPARE,KIT,NEWPORTGREEN LASER UPGRADE	20024021
DIGITAL PWR,METER CONSOLE,PM100D	20024931
SPARE,ASSY,DC CONFIGURED PC	20025912
UPS, APC-SMT1500C, 120V, 1440VA	20028844
SPARE,ASSY BEAM COMBINER, 658nm PASS, 532nm REF	20032005
FSE TOOL ISCAN, ELECTRONIC SCALE BALANCE	20033629

部 品 名	P/N
DIGITAL MULTIMETER	20033630
SINGLE INPUT DIGITAL THERMOMETER	20033631
DUAL INPUT DIGITAL THERMOMETER	20033632
DIGITAL PWR.METER CONSOLE	20033634
SPARE, THERMOCOUPLE CABLE, MALE TO MALE	20034720
KIT, iScan F7441 WINDOWS 10 UPGRADE SSD	20036571
POWER SENSOR, SI, 400-1100nm, 500mW	20037514
SPARE. TOOL, UP MIRROR	20039000
SPARE. ASSY. MIRROR, M2	20039001
SPARE. ASSY. MIRROR, FOLDING, M3	20039002
SPARE. ASSY. MIRROR, FOLDING, M4	20039003
SPARE. ASSY, ISCAN EBOX	20039289
DIGITAL MEASURING CALLIPER	20040860
ASSY, SPARE iSCAN CONFIGURED PC A8202 WIN10	20043483
Monitor.iScan.EA193MI-BK	20045450
Replacement Infinium Hybridization Chamber Gasket (1)	210930
SPARE, HYB CHAMBER, INFINIUM 1	210948S
SPARE, KRYTOX LUBRICANT, GLP205	210981S
SPARE, KRYTOX SOLVENT, VERTREL XF	210999S
SPARE, LUBIT-8 LUBRICANT	211001S
SPARE, INSERT, MIDI PLT HEAT BLO	211191S
SPARE, INFINIUM ALIGNMENT FIXTU	215571S
HYB CHAMBER, FOOT, RUBBER, W/WASHER	215589
Infinium Hybridization Chamber Latch, With Bottom	215765
MAT.SILICONE, FOR OVEN SILICONE	218317
HYB CHAMBER, SCREWS, SCR.M3X4 TRIM HEAD, SS	218325
ASSY. MULTI-SAMPLE, ALIGN, JIG	218528
SPARE, ALIGNMENT TOOLKIT, NEWTON	221701S
TABLE, VIBRATION, AIR	222009
INSERT, BEADCHIP HYB CHAMBER	222682
SPARE, ASSY, Z-STAGE	223052S
SPARE, METROLOGIC BARCODE SCANNER	224080S
CABLE, USB TO SERIAL PORT 26-94	224098
SPARE, FOAM SHIPPING RESTRAINTS	226851S
PULLEY, CHAIN DRIVE, 0.5" DIA	230623
SPARE, ASSY, X-Y STAGE	230973S
SPARE, KINEMATIC MIRROR ASSEMBLY	231204S
SPARE, PCA, DRIVER MODULE ASSEMBLY	231731S
SPARE, PCA, VIX-CONTROL MODULE ASSEMBLY	231829S
SPARE, LENS, PROJECTION, F 200mm	232709
SPARE, BEAM EXPANDER, 532nm, VARIABLE	233613S
CHAIN, DRIVE, 208 PTCH	235387
SPARE, PCA, FRAMEGRABBER CAMERALINK	235838
CABLE, CAMERALINK, BOARD, 3M	235846
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, 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, RED EXCITATION FILTER WHEEL, 658NM	244427S
SPARE, LENS, OBJECTIVE, MS, MPLFLN20X	244451
CABLE ASSY. HARNESS #2	250501
DOCKING STATION FLAT CABLE	250616
SPARE, COMM&CPCI PCB MODULE ASSEMBLY	250851S
SPARE, DC2DC PCB MODULE ASSEMBLY	250886S

部 品 名	P/N
SPARE,ASSY.PCB MODULE,PEM&AC/D	250894S
SPARE,CABLE.PWR,CAMERA,C100000-504	251011
CABLE.FRNT PNL,Z-CNTRL-LT PIPE	257148
SPARE,PCA.LASER SAFETY BOARD	258159
SPARE, USB-A TO USB-A CABLE	258482S
SPARE, THREAD LOCKER, LOCTITE	280428S
WIPES.Q-TIP CLEANING	301461
SPARE, ASSY.SUPERMOUNT	306552S
SPARE,ASSY.CONTROLLER,CAMERA	306894S
SPARE, CAMERA MODULE ASSEMBLY	306907S
SPARE, CABLE.FAN ASSY,80X25,12	309260S
SPARE,MAGNET,0.5"ODx0.25"Hx7LB	310014S
CABLE,USB EXT,15FT	313007
CABLE,DVI-D,M-M,15FT	313040
SPARE,FAN, FILTER AND PLASTIC GUARD	314114S
SPARE,ASSY, DOCKING STATION	317340S
SPARE, POWER CORD,AU,2.6M, BLA	1001713S