

LAMPIRAN - A1

RUJ: BME/A2K/(1706)/2026/HTD (A17)

24/6/2026

PLANNED PREVENTIVE MAINTENANCE OF MGI GENETIC SEQUENCER , BME27753 , MODEL: DNDSEQ-G50, SN: C21403400210006 AT CMDLILD, MAKMAL BSL2 BSL3, TUTONG. (wo: 2026-12349)

SCOPE OF WORK

Inclusive of:

- Remote Online support
- On-Site Hardware Support
- PM Visit (2 times/year) (PM Visit may be performed in conjunction with on site repair services)
- Reagent Upon Instrument Failure (Sequencer only) - (Only includes sequencing kits replacement upon sequencer failure, not include library preparation kits)
- Updates and Modification of Covered Software
- Part Replacements. (Not include Consumables. Exchanged Parts shall become the property of MGI)

Scope of Work:

1. General Maintenance.
 - a. Inspection on condition of electrical and mechanical components
 - b. Cleaning of the system and essential components of the unit
 - c. Ensure keyboard withdraw works properly
 - d. Ensure chip door work properly
 - e. Performed reagent storage compartment maintenance.
2. Lubrication of the moving parts of the sequencer system including gears and bearings to reduce friction and prevent wear.
 - a. Performed XY stage maintenance
 - b. Performed Z stage Performance
3. Performed calibration of the sequencer system and adjust it if necessary
 - a. Temperature control maintenance
 - b. Fluidic and Vacuum system maintenance
 - c. Optics System maintenance
4. Conducting a series of tests to verify that the sequencer system is functioning properly
 - a. Final Temperature (*C)
 - b. Temperature Slew Rate
 - c. Vacuum Pressure (kPa)
 - d. Wash Volume (mL)
 - e. scan Test
5. To provide a record of equipment's documentation maintenance history;
 - a. All maintenance activities and results
 - b. Maintenance history
 - c. All tasks performed
 - d. Issues identified
 - e. Repairs or replacements made

LAMPIRAN - A2

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SPAREPART		PART NUMBER	QUANTITY
1	one of ppm MGI		1