



# Calibration Report

Calibration & Measurement Laboratory-Taipei

Report Date : 2024/8/12

|  |                         |        |
|--|-------------------------|--------|
|  | Report No. : ECR2429896 | 1 of 2 |
|--|-------------------------|--------|

|                |   |                 |              |                      |             |
|----------------|---|-----------------|--------------|----------------------|-------------|
| Applicant      | Tamsui MacKay Memorial Hospital Clinical Trial Pharmacy   |                 |              |                      |             |
| Equipment      | EXTECH SDL200 4CH   |                 |              |                      |             |
| Manufacturer   | EXTECH  | Model           | SDL200       | Serial No.           | H. 315486   |
| Procedure used | GENP-EC-T002(V 1.1)   | Received Date   | 2024/7/30    | Calibration Date     | 2024/7/30   |
| Operator       | Benson Lin  | Temperature(°C) | (22 ~ 23) °C | Relative Humidity(%) | (58 ~ 59) % |
| Add.-Customer  | Clinical Trial Pharmacy, 1F Mackay Building, No. 47, Minquan Rd., Tamsui District, New Taipei City 251404 |                 |              | Location             | On Site     |
| Add.-On-Site   | Clinical Trial Pharmacy, 1F Mackay Building, No. 47, Minquan Rd., Tamsui District, New Taipei City 251404 |                 |              |                      |             |

## SGS Standards

| Equipment                               | Manufacturer  | Model      | Calibration Date |
|---|---------------|------------|------------------|
| Documenting Process Calibrator (TC/RTD) | FLUKE         | 753        | 2024/4/6         |
|   |               |            |                  |
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| Serial Number                           | Traceability  | Report No. | Due Date         |
| 54030024                                | SGS(TAF 0143) | ECR2411965 | 2025/4/5         |
|   |               |            |                  |
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|   |               |            |                  |

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- ◆ The calibration report is only valid for the instrument mentioned above and has not been adjusted.  
Unless otherwise specified, the content of the report does not include the suggestion for calibration interval and the determination of compliance.
- ◆ To reproduce or copy calibration report in partial is not allowed.
- ◆ Procedure used:        Calibration SOP for Thermometer (Simulation for TC+RTD)

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Temperature Item : ( k- type)

|    | Measured Value (°C) | Actual Value (°C) | Deviation (°C) |
|----|---------------------|-------------------|----------------|
| T1 | -5.5                | -5.0              | -0.5           |
|    | -0.5                | 0.0               | -0.5           |
|    | 4.3                 | 5.0               | -0.7           |
|    | 9.4                 | 10.0              | -0.6           |
| T2 | -5.5                | -5.0              | -0.5           |
|    | -0.5                | 0.0               | -0.5           |
|    | 4.5                 | 5.0               | -0.5           |
|    | 9.5                 | 10.0              | -0.5           |
| T3 | -5.1                | -5.0              | -0.1           |
|    | -0.1                | 0.0               | -0.1           |
|    | 4.7                 | 5.0               | -0.3           |
|    | 9.5                 | 10.0              | -0.5           |
| T4 | -5.2                | -5.0              | -0.2           |
|    | -0.2                | 0.0               | -0.2           |
|    | 4.6                 | 5.0               | -0.4           |
|    | 9.6                 | 10.0              | -0.4           |

Calibration Explanation :

- 1.Deviation = Measured – Actual
  - 2.Measured : The value recorded under testing from item- tested.
  - 3.Actual : The value indicated by traceable standard.
  4. The expanded measurement uncertainties estimated are at a level of confidence of approximately 95 % with a coverage factor  $k = 2$
  - 5.Expanded uncertainty : 0.6 °C
  - 6.The expanded uncertainty included measurement system variances and item-tested variance.
- THE END --

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