# Specification Corrigendum Tender No.852.32/2025

1. **Inverted Flourescent Microscope**
   **Features:-**

   **Wide field of view -**Infinite optical system, Wide field eyepiece, view field up to Φ22mm, more comfortable for observation.
   **Better nosepiece-**More objectives may be installed on the large diameter quintuple nosepiece, easier to change objective.
   **Viewing head with two splitting ratios-**Light distribution (both): 100:0 (100% for eyepiece) or 80:20 (80% for trinocular head and 20% for eyepiece)
   **Long working distance condenser-**Long working distance condenser, N.A. 0.30. Working distance: 72mm (with condenser). Working distance: 195mm (without condenser), must be available for extra high culture dishes.
   **Large size stage-**Large stage of size: 210mm(X)*240mm(Y)mm, Moving range: 128mm(X)*80mm(Y). Mechanical stage available for 96 holes plate
   **LED Fluorescent unit-**5W LED lamp, B/G/R fluorescent filter LED fluorescent unit for higher intensity and clear images.
   **Specifications:-**

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| OpticalSystem: | Infinite Optical System |
| ViewingHead: | Inclined 45° trinocular tube, interpupillary distance: 48-76mm, splitting ratio: eyepiece: trinocular=100:0 or 20:80.Eyepiece tube diameter: 30mm |
| Eyepiece: | Wide field plan eyepiece PL10X/22mm, with adjustable diopter |
| Objective: | Long Working Distance Infinity Plan Achromatic Objective (LPlanFL)<br>4X/NA=0.11,WD=12.1mm<br>Long Working Distance Infinity Plan Achromatic Phase Contrast Objective (L PlanFLPHP)<br>10X/NA=0.25,WD=10.3mm<br>20X/NA=0.45,WD=5.8mm<br>40X/NA=0.65,WD=5.1mm<br>60X/ NA=0.85,WD=0.30mm<br>100X/ NA=1.25,WD=0.21mm |
| Nosepiece: | Quintuple nosepiece |
| Condenser: | Long working distance condenser, N.A.0.3.Working distance: 72mm (with condenser), 195mm (withoutcondenser) |
| Phase Annulus: | 10X phase annulus plate<br>20X/40X phase annulus plate |
| Stage: | Stagesize: 210mm (X)*241mm(Y).Roundsize:Φ110mm.Coaxial coarse and fine adjustment, fine division 0.002mm, moving range10mm<br>Attached mechanical stage, available for 96 holes plate.X-Ycoaxial control, moving range: 128mm(X)*80mm(Y)<br>Φ54mm culture dish holder |
| Focusing: | Coaxial coarse and fine adjustment, fine division 0.002mm, moving range 10mm |
| Koehler Illumination: | 12V/30W halogenlamp, input voltage: 100V-240V |
| Filters: | Bluefilter (Φ34mm), Greenfilter (Φ34mm), Redfilter (Φ34mm), |
| C-mount: | 0.5XC-mountadapter, adjustable focus |
| Epi-Fluorescent Attachment: | BFL2LED Two channel fluorescence module: 5WLED and B/G/R filters. Synchronize LED bulbs with color filters.The fluorescence brightness is more than twice that off our channel LED fluorescence module |

   **C-mount USB3.0 CMOS Camera**
   SONY Exmor, Exmor R(Back-illuminated), Exmor RS CMOS sensor with USB3.0 interface

Real-time 8/12bit depth switch .Ultra-fineTM HISP VP and USB3.0 5 Gbps interface ensure high frame rate. Super high sensitivity upto 2188mV (IMX264). Ultra-low noise and low power dissipation by using column-parallelA/Dconversion. With hardware resolution of 8.3MP
Rolling Shutter or Global Shutter; Standard C-Mount camera, CNC aluminum alloy housing;
With advanced video & image processing application Image View;
Providing Windows/Linux/MacOS multiple platforms SDK; NativeC/C++, C#/VB.Net, DirectShow, Twain, LabView.

**Specifications:-**

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|---|---|
| Spectral Range: | 380-650nm (with IR-cut Filter) |
| White Balance: | ROI White Balance/Manual Temp Tint Adjustment/NA for Monochromatic Sensor |
| Color Technique: | Ultra-fine TMHISPVP/NA for Monochromatic Sensor |
| Capture/Control API: | Windows/Linux/macOS/AndroidMultiple Platform SDK(NativeC/C++, C#/VB.NET, Python,Java,DirectShow,Twain,etc.) |
| Recording System: | Still Picture and Movie |
| Cooling System: | Natural |
| Sensor & Size (mm): | 8.3M/IMX585(C) 1/1.2”(11.14x6.26) |
| Pixel Size (μm): | 2.9x2.9 |
| GSensitivity Dark Signal: | 5970(mV/lx/s) 0.13mvwith1/30s |
| FPS/Resolution: | 45@3840x2160 70@1920x1080 |
| Binning: | 1x1 2x2 |
| Exposure: | 0.02ms~15s |

**Operating Environment**

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| Operating Temperature(°C): | -10~50 |
| Storage Temperature(°C): | -20~60 |
| Operating Humidity: | 30~80%RH |
| Storage Humidity: | 10~60%RH |
| Power Supply: | DC5V over PCUSB Port |

**Country of Origin: USA, JAPAN, Europe, China**

2. **CO2 Incubator**

**Features:-**

Intelligent door control, adjust the device operation according to the door status.Glass Door-For Observing samples cell inside the chamber during operation. Protect the clean environment for sample growth. Control System-Seven inch touch screen easy to operate intuitive display. Three levels of management. Running record storage, can be exported by USB. Sound & Light Alarm, guard sample safety

**Technical Specifications:**

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| Sterlization Method: | 150°C dry Heat |
| Temperature Control Method: | Direct Heat & Air Jacket |
| Temperature Sensor: | Platinum Resistor |
| Temperature Range: | Room tem +3°C ~ + 60°C |
| Temperature Uniformity: | ±0.3°C@37°C |
| Temperature Fluctuation: | ±0.1°C@37°C |
| Temperature Accuracy: | ±0.1°C@37°C |
| Temperature Recovery Time: (Door Open for 30Sec) | ≤4min |
| Ambient Temperature: | 18-34°C |
| Co2 Sensor: | IR Sensor |
| Co2 Range: | 0-20% |
| Co2 Accuracy: | ±0.1% |
| Co2 Recovery Time: (Door Open for 30Sec) | ≤4min |

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|---|---|
| Co2 Inlet Pressure: | 0.8-1.2bar |
| Humidification Method: | Natural Evaporation |
| Humidity Range: | >90%RH |
| Sterlization Time: | 2.5h |
| Air Duct Circulation Filtration: | Yes |
| HEPA Filter: | 0.3μm, efficient 99.97%, High temperature resistant HEPA filter, no need to remove during sterilization. |
| Main Body Material: | Steel with antibacterial powder coasted, anti-bacterial properties≥99% |
| Casters/Feet: | Stacking feet, height adjustable. |
| Testing Access: | φ32mm |
| Voltage: | 220V50-60Hz |
| Maximum Power Consumption: | 500W |
| Screen: | 7'touch screen |
| Data Output Interface: | USB,RS485 |
| Data Storage: | Historical data:322,000 at most;Operation log:65,000 at most. |
| Curve Query: | Yes |
| Over-temperature Protection: | Yes |
| Alarms: | High or low temperature, gas concentration alarm, door alarm, fault alarm and so on. |
| Capacity: | 55L |
| Interior Dimension(W×DxH): | 310*380*470mm |
| Exterior Dimension(W×DxH): | 500*635*690mm |
| Number of Shelves: | Default as 2 |
| Door Switch,Enabling Gas/Heat/Wind Stopped | |
| Once Every door open: | Yes |
| CO2 Cylinder & Regulator: | Included |

**Country of Origin: USA, JAPAN, Europe, China**