

DRAGEN Bio-IT Platform

Safety and Compliance Guide

For Research Use Only. Not for use in diagnostic procedures.

This guide provides important safety information pertaining to the installation, servicing, and operation of the Illumina® DRAGEN® Compute Server. This guide includes product compliance and regulatory statements. Read this document before performing any procedures on the server.

The country of origin and date of manufacture of the server are printed on the server label.

Safety Considerations and Markings

This section identifies potential hazards associated with installing, servicing, and operating the server. Do not operate or interact with the server in a manner that exposes you to any of these dangers.

General Safety Warnings

Make sure that all personnel are trained in the correct operation of the server and any potential safety considerations.



Follow all operating instructions when working in areas marked with this label to minimize risk to personnel or the server.

Electrical Safety Warnings

Do not remove the outer panels from the server. There are no user-serviceable components inside. Operating the server with any of the panels removed creates potential exposure to line voltage and DC voltages.



The instrument is powered by 100–240 VAC operating at 50–60 Hz. Hazardous voltage sources are located behind the rear and side panels, but can be accessible if other panels are removed. Some voltage is present on the server even when the server is turned off. Operate the server with all panels intact to avoid electrical shock.

Power Specifications

Type	Specification
Power Supply Rating	1100 Watts @100%
Input Voltage	100–240 V AC, 50/60 Hz, autoranging

Power Cord Access

Position the server so that you can quickly disconnect the power cord from the outlet.



CAUTION

Never use an extension cord to connect the DRAGEN Compute Server to a power supply.

Protective Earth



The server has a connection to protective earth through the enclosure. The safety ground on the power cord returns protective earth to a safe reference. The protective earth connection on the power cord must be in good working condition when using this device.

Fuses

The DRAGEN Compute Server contains no user-replaceable fuses.

Environmental Considerations

The following table specifies temperature, humidity, and other environmental considerations for safely housing the instrument.

Element	Specification
Temperature	Maintain a server room temperature of 0°C to 40°C. This temperature is the operating temperature of the DRAGEN Compute Server. Do not allow the ambient temperature to vary by more than ±2°C.
Humidity	Maintain a noncondensing relative humidity between 10–95%.
Altitude	Locate the DRAGEN Compute Server at an altitude below 2,000 meters (6,500 ft).
Air Quality	Operate the server in a data center environment with air filtration per ISO 14644-1 Class 8 with a 95% upper confidence limit.

Element	Specification
Ventilation	Consult your facilities department for ventilation requirements sufficient for the level of heat output expected from the DRAGEN Compute Server.
Location	Operate the server in an indoor environment only. The server is not suitable for use in locations where children are likely to be present.

Compliance and Regulatory Markings

The server is labeled with the following compliance and regulatory markings.

Waste Electrical & Electronic Equipment (WEEE)



This label indicates that the instrument meets the WEEE Directive for waste.

Visit support.illumina.com/certificates.html for guidance on recycling your equipment.

Product Compliance and Regulatory Statements

Product Certifications and Compliance

The DRAGEN Compute Server is compliant with the following directives:

- ▶ EMC 2014/30/EU
- ▶ Low Voltage 2014/35/EU
- ▶ ROHS 2011/65/EU and 2015/863
- ▶ ErP 2009/125/EC

The complete EU declarations of conformity and certificates of compliance are available on the Illumina website at support.illumina.com/certificates.html.

China Compliance

警告

此为A級产品，在生活环境中，该产品可能会造成无线电干扰。在这种情况下，可能需要用户对干扰采取切实可行的措施。

仅适用于非热带气候条件下安全使用

仅适用于海拔2000m一下地区安全使用

Japan Compliance

この装置は、情報処理装置等電波障害自主規制協議会 (V C C I) の基準

に基づくクラスA 情報技術装置です。この装置を家庭環境で使用すると電波

妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ず

るよう要求されることがあります。

Korea Compliance

A급 기기 (업무용 방송통신기자재)

이 기기는 업무용(A급)으로 전자파적합로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

Taiwan Compliance

警告使用者

這是甲類的資訊產品

在居住的環境中使用時

可能會造成射頻干擾，在這種情況下

使用者會被要求採取某些適當的對策

EMC Considerations

This equipment has been designed and tested to the CISPR 11 Class A standard. In a domestic environment, it might cause radio interference. If radio interference occurs, you might need to mitigate it.

Do not use the device in close proximity to sources of strong electromagnetic radiation, which can interfere with proper operation.

Evaluate the electromagnetic environment before operating the device.

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1 This device may not cause harmful interference.
- 2 This device must accept any interference received, including interference that may cause undesired operation.



CAUTION

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



NOTE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instrumentation manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case users will be required to correct the interference at their own expense.

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