BD Rhapsody™ HT Xpress System

Site Preparation Guide

23-24255(01)
2023-02

For Research Use Only

Regulatory information

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

FCC information

WARNING: 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: "Harmful interference" is defined in 47 CFR § 2.1 by the FCC as follows: Interference which endangers the functioning of a radio-navigation service or of other safety services or seriously degrades, obstructs, or repeatedly interrupts a radio communication service operating in accordance with the International Telecommunication Union (ITU) Radio Regulations.

History

Revision	Date	Change made
23-24255(01)	2023-02	Initial release.

Contents

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Introduction

This chapter covers the following topics:

About this guide

Purpose

This guide is intended for BD Rhapsody™ HT Xpress System users. Read this guide prior to installation of the system to ensure that all site requirements are met.

For intended use of the BD Rhapsody™ HT Xpress System, see the *BD Rhapsody™ HT Xpress System Instrument User Guide*.

Use this guide to obtain information about:

- Dimensions of the BD Rhapsody™ HT Xpress System
- Preparation of the site

Physical characteristics

Introduction

This topic describes the physical dimensions and weight of the BD Rhapsody™ HT Xpress System.

Dimensions and weight of the BD Rhapsody™ HT Xpress System

Item	Dimensions (W x D x H cm)	Weight (kg)
Boxed BD Rhapsody™ HT Xpress System	40.0 × 45.6 × 32.4 cm (15.7 × 18.0 × 12.8 in.)	9.5 (20.9 lb)
Unboxed BD Rhapsody™ HT Xpress System	26.0 × 37.0 × 20.9 cm (10.2 × 14.6 × 8.2 in.)	5.7 (12.7 lb)

Equipment moving policy

Introduction

This topic describes the BD Biosciences policy for moving the BD Rhapsody™ HT Xpress System.

General policy

Contact BD Biosciences to arrange installation, relocation, and removal of the BD Rhapsody™ HT Xpress System.

Contact information

scomix@bdscomix.bd.com

Safety

Restrictions

Any use of the BD Rhapsody™ HT Xpress System other than the procedures described in the user guide might result in damage to the instrument, loss of reagents or samples, or personal injury.

BD denies any responsibility for damage caused by the following:

- Any use of the BD Rhapsody™ HT Xpress System that does not comply with the procedures described in its user guide.
- Unauthorized alterations or adjustments to the BD Rhapsody™ HT Xpress System hardware.
- Any use of the BD Rhapsody™ HT Xpress System that violates locally applicable laws, rules, or regulations.
- Evidence of any deviation from intended use that voids the BD Rhapsody™ HT Xpress System warranty.

Disclaimer

The instruments, external components, software, and consumables in the BD Rhapsody™ HT Xpress System are provided for research purposes only. BD disclaims all BD Rhapsody™ HT Xpress and implied warranties including, but not limited to, merchantability and fitness for use for a particular purpose.

Customer safety requirements

Prior to installation or service of the BD Rhapsody™ HT Xpress System, the customer should contact their security or safety department to advise the department of the service visit by a BD field application specialist (FAS) or field service engineer (FSE). Before the service visit, the customer should inform the FAS or FSE of the need to complete any induction or security vetting.

For more information on safety, see the *BD Rhapsody™ HT Xpress Instrument Safety and Limitations Guide*.

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Site requirements

This chapter covers the following topics:

Space and clearance requirements

Introduction

This topic describes the laboratory space needed for the BD Rhapsody™ HT Xpress System.

Required workspaces in the laboratory

Dedicate two isolated workspaces in the laboratory to run high-sensitivity, single-cell sequencing experiments:

- Pre-amplification workspace
- Post-amplification workspace

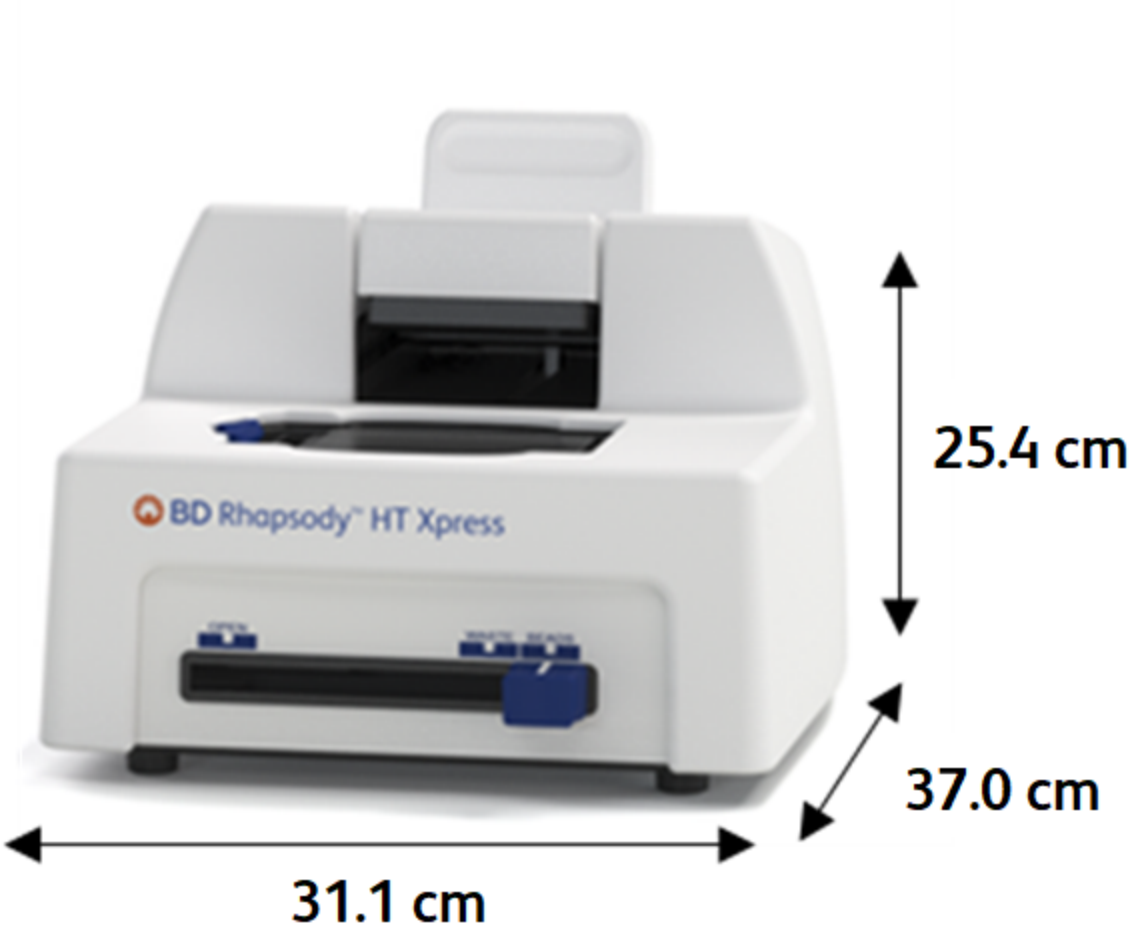
For detailed information about laboratory workspace use, see the *BD Rhapsody™ HT Xpress System Instrument User Guide*.

Required workspaces for the BD Rhapsody™ HT Xpress System

The following table provides information on the minimum workspace dimensions for the BD Rhapsody™ HT Xpress System.

Components	Width (cm)	Depth (cm)	Height (cm)
BD Rhapsody™ HT Xpress System	31.1 (12.25 in.)	37.0. (14.75 in.)	25.4 (10.0 in.)

The following drawing shows workspace clearance for the BD Rhapsody™ HT Xpress System.



Structural requirements

Introduction

This topic describes the structural features that must be present at the site.

Structure for the BD Rhapsody™ HT Xpress System

- Stable surface free of vibrations
- No external air, water, or vacuum lines required

Lighting for the BD Rhapsody™ HT Xpress System

None.

Waste disposal for the BD Rhapsody™ HT Xpress System

Set up appropriate waste disposal facilities according to good laboratory practices.

(Optional) Communications for the BD Rhapsody™ HT Xpress System

A telephone in proximity to the BD Rhapsody™ HT Xpress System to communicate with BD Biosciences technical support regarding system operation and function.

Environmental requirements

Introduction

This topic describes the environmental conditions necessary for the BD Rhapsody™ HT Xpress System to operate optimally.

Requirements for the BD Rhapsody™ HT Xpress System

Condition	Requirement
Temperature	The BD Rhapsody™ HT Xpress System has an operating range between 20 °C (68 °F) and 25 °C (77 °F).
Humidity	The operating humidity tolerance is between 30% and 50% relative humidity (non-condensing).
Heat dissipation	No special requirements. Follow good laboratory practices.
Ventilation	No special requirements. Follow good laboratory practices.
Noise	No special requirements. Follow good laboratory practices.

Power requirements

The BD Rhapsody™ HT Xpress System does not require power.

The pipette shall be charged using a standard wall connector or a carousel charger capable of 50/60hz, 120 volts, and 1.0 amps.

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Checklist

Use this checklist to confirm that the site meets the necessary requirements.

Checklist items	**Acceptable** **(Y, N, N/A)**
Required	
Temperature between 20 °C (68 °F) and 25 °C (77 °F)	
Humidity between 30% and 50% (non-condensing)	
Appropriate waste disposal solutions are in place	
No vibration sources close to or in contact with the designated work bench for the BD Rhapsody™ HT Xpress System	
Dedicated pre-amplification and post-amplification workspaces in the laboratory	
Bench space for BD Rhapsody™ HT Xpress System with clearance: (W × D × H) 31.1 × 37.0 × 25.4 cm (12.25 × 14.75 × 10 in.)	
Customer requires that all visiting BD personnel complete site training	
Customer provides a contact for installation inquiries to BD personnel	
Optional	
Recommended bench height of 75 cm (29.5 in.)	

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