



This quick start guide is intended to provide a quick overview of your WELLJET's key features and to offer basic instructions for getting started. For detailed information, please refer to the latest operating instructions (OI) that can be found at [www.integra-biosciences.com](http://www.integra-biosciences.com) in different languages.

### Intended Use

This is a general-purpose laboratory instrument. Any use of this instrument in a medical or IVD setting is the sole responsibility of the user. WELLJET is a rapid reagent dispenser in the volume range of 0.5 – 9'999 µl using different dispensing cassettes.

### Safety information

Regardless of the listed safety notes, all locally applicable regulations must be observed.

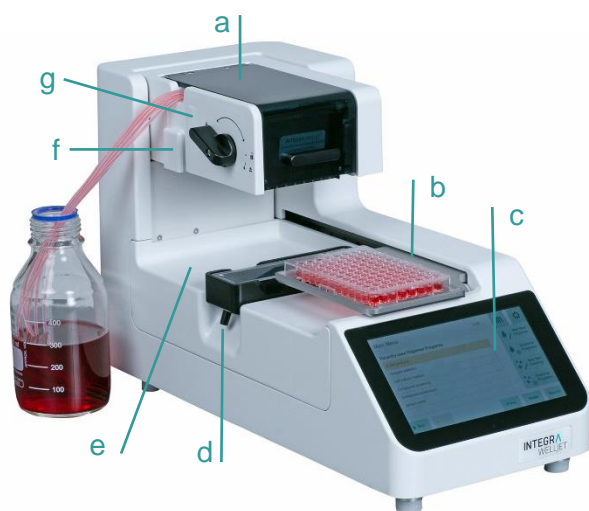
- 1) This product may only be operated in a secure, protected network with trustworthy clients.
- 2) WELLJET may only be used by properly trained personnel in a manner specified by INTEGRA Biosciences.
- 3) Observe the hazard warnings on the device. Keep the plate carrier moving area free of any labware and keep hands away.
- 4) Do not use the device near flammable material or in an atmosphere with danger of explosion. Also, do not dispense highly flammable liquids such as acetone or ether.
- 5) Servicing work and repairs may only be performed by INTEGRA Biosciences or an authorized after-sales service member.

### Getting started



*Set up the instrument on a perfectly horizontal surface.  
Supply voltage: 100 – 240 VAC, 47 – 63 Hz.*

Insert the adapter cable in the socket on the right side of the WELLJET and connect the adapter via a 3-core cable to the electricity mains.



- a. Hood** of pump unit, open to install dispensing cassette
- b. Plate carrier** with clamp mechanism
- c. Display**
- d. Waste trough** with drain fitting for waste tubing, serves also as reservoir holder
- e. Deck**
- f. Mounting bar** for attaching the tube holder
- g. Lever** for tightening and releasing the dispensing cassette

#### **Switch on/off:**


Press the main switch on the right side.

Switch on the device. Press OK to initialize the WELLJET.




*Remove hands from WELLJET during initialization and operation.*

## Language settings

Press the  icon to access the Settings menu. Adjust the language, the date and time, and the display brightness.

## Defining microplates and dispense program

The plate library is used to define the dimensions of the used microplates. In the Main Menu click on  library and New. Enter the plate type, the well number, and the heights.

From the Main Menu select New Dispense to set up and save a dispense program.

## Installing the dispensing cassette

Follow the instructions of the tutorial displayed when opening the hood (a).



- Hold the cassette with one hand, the tubings are showing backwards.
- Insert the four pins of the cassette into the slots of the holder.
- Move the front part of the cassette down until the two pins audibly click into position.
- Move the rear part down, the lever (g) turns to the closed lock (🔒).
- Place the tubings in the opening of the holder and close the hood.

## Running a program

1. Hang the tubing ends with the weight into the reagent vessel.
2. Select a previously defined dispense program from the Main Menu.
3. Press Prime until liquid is dispensed from the nozzles.
4. Press Run to start the dispense program.
5. At the end of the program – if your protocol allows – press and keep Recover to pull the liquid from the tubings back into the source container.
6. Release the tubing tension by turning the lever (g) to the right as far as possible (▲). This rest position will extend the life of the cassette.
7. Before prolonged standby, flush the cassette and store it in the original tray.

If you want to pause the program, press Pause.

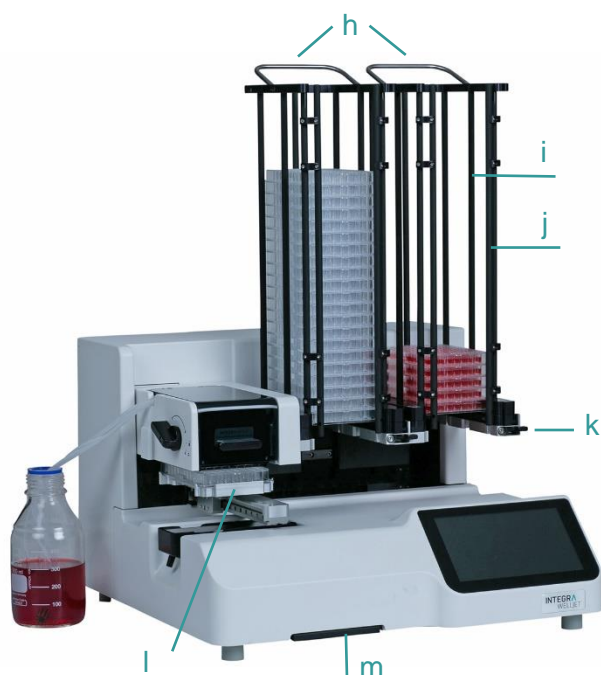
## Maintenance




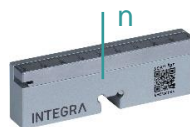
*Always switch off the device and disconnected form the electricity supply when carrying out maintenance work.*

- Use one of the cleaning programs to flush the tubings of the dispensing cassette with deionized water or, if necessary, with washing detergent or 70 % ethanol followed with deionized water. Aspirate air to empty the tubings. Remove the cassette and store it in the original tray.
- The dispensing cassettes can be autoclaved at 121 °C for 20 min.
- Clean the WELLJET housing with a lint-free cloth lightly soaked with mild soap solution in distilled water or with a 70 % solution of isopropanol or ethanol.
- To decontaminate the WELLJET, wipe the clean instrument surface with a lint-free cloth lightly soaked with a suitable disinfectant and wipe dry directly. The device may be decontaminated with H<sub>2</sub>O<sub>2</sub> gas (maximal concentration 35 %) for 60 minutes.

## WELLJET Dispenser Stacker



- h. **Towers with tower handles**
- i. **Guiding rods**
- j. **Tower doors**, 2 in front of each tower
- k. **Tower bar with tower release lever**
- l. **Plate carrier**
- m. **Loading adapter**, facilitates manual plate loading, stored underneath the device
- n. **Plate measuring tool**, see 



### Unpacking

Two persons are required to lift the WELLJET Dispenser Stacker. Hold the WELLJET firmly on both sides of the instrument base. In addition, you can lift the WELLJET Dispenser Stacker on the silver tower bars (k).

### Installation

Hold a tower on the guiding rods and put it on the stacker. Slide the tower to the back until it audible clicks into position.

Open the tower doors and slide a stack of empty plates to the back of the left tower. Close the doors.

### Programming

Define the correct plate height parameter for plates or lidded plates, if applicable, using the included plate measuring tool (n). Also define the Stacker options in the dispense program.

### Running

Insert the plates in the left tower, select a program and press Run. The plate carrier picks up the lowest plate without lid from the left tower, dispenses it, takes the lid – if applicable – and places the plate in the right tower.

### Removal

To remove the plates from tower, press the tower release lever (k), hold a guiding rod and slide the tower a little bit to the front. Hold the tower with one hand on the handle and the other hand on the frame at the bottom of the tower. Lift and remove the tower

## Equipment Disposal



WELLJET must not be disposed of with unsorted municipal waste.

Dispose of WELLJET in accordance with the regulations in your area governing disposal of devices. In certain regions and countries, e.g. in EU member states, the distributor is obliged to take back this product free of charge at the end of life. Please contact your local distributor for more details.

## Manufacturer

Details available on [www.integra-biosciences.com](http://www.integra-biosciences.com) or upon request [info@integra-biosciences.com](mailto:info@integra-biosciences.com).

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## Declaration of conformity

**INTEGRA Biosciences AG – 7205 Zizers, Switzerland**

declares on its own responsibility that the devices

Description	Models
<b>WELLJET Dispenser</b>	<b>5000</b>
<b>WELLJET Dispenser Stacker</b>	<b>5001</b>
<b>Mains adapter</b>	<b>128909</b>

comply with:

### EU Directives and Regulations

2014/35/EU, 2014/30/EU, 2014/53/EU, 2012/19/EU, 2011/65/EU, 1907/2006, 2019/1782

### GBR Regulations

S.I. 2016/1101, S.I. 2016/1091, S.I. 2017/1206, S.I. 2013/3113, S.I. 2012/3032

Zizers, August 11, 2022

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For detailed CE declaration and regulations of other countries, please refer to the operating instructions.