

LCReSponder Controlled Prep HPLC Instruments Site Preparation Checklist

Thank you for purchasing an Agilent **instrument**. To get you started and to assure a successful and timely installation, please refer to this specification or set of requirements.

Correct site preparation is the key first step in ensuring that your instruments and software systems operate reliably over an extended lifetime. This document is an **information guide AND checklist** prepared for you that outlines the supplies, consumables, space and utility requirements for your equipment for your site.

Customer Responsibilities

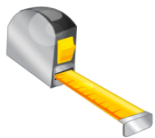
Make sure your site meets the following prior specifications before the installation date. For details, see specific sections within this checklist, including:

- The necessary laboratory or bench space is available
- The environmental conditions for the lab as well as laboratory gases and plumbing
- The power requirements related to the product (e.g., number & location of electrical outlets)
- The required operating supplies necessary for the product and installation
- Please consult Other Requirements section below for other product-specific information.

If Agilent is delivering installation and familiarization services, users of the instrument should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.

Important Customer Information

1. If you have questions or problems in providing anything described as a Customer Responsibilities above, please contact your local Agilent or partner support/service organization for assistance prior to delivery. In addition, Agilent and/or its partners reserve the right to reschedule the installation dependent upon the readiness of your laboratory.
2. Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to re-arrange any services that have been purchased.
3. Other optional services such as additional training, operational qualification (OQ) and consultation for user-specific applications may also be provided at the time of installation when ordered with the system, but should be contracted separately.

**LCReSponder Controlled Prep HPLC Instruments
Site Preparation Checklist**


Dimensions and Weight

Identify the laboratory bench space to be allocated before your system arrives based on the table below.

Pay special attention to the **total height and total weight requirements for all system components you have ordered and avoid bench space with overhanging shelves**. Also pay special attention to the total weight of the modules you have ordered to ensure your laboratory bench can support this weight.

Special Notes

1. All instruments must be placed on a flat sturdy surface free of significant vibration.
2. Ensure the distance between the system and the walls of the facility is at least 10 cm (4 in) to provide adequate ventilation and allow ready access in the event that any adjustments are needed.
3. Approximately 90 deep x 140 wide cm total bench space is required per instrument. Avoid placing the instrument in locations with extreme temperature and humidity changes such as direct sunlight, near an open window, or beneath an air conditioning vent.

Instrument Description	Weight		Height		Depth		Width	
	Kg	lbs	cm	in	cm	in	cm	in
PrepStar SD1 Pump	34	75	26.7	10.5	56	22	40.6	16
Prep Star SD2 Pump	25	60	19.7	7.75	57.5	10.25	29.2	11.5
PrepStar 218 pump	21.8	48	19.7	7.8	46.4	18.3	29.2	11.5
PrepStar 530 OPTO IB	11	25	20	8	56	22	26	10.25
PrepStar 530 Fluidics box	11	25	20	8	56	22	26	10.25
PrepStar LC325	15.5	34.2	21.2	8.3	47.5	18.7	29.6	11.7
PrepStar 440 Fraction Collector	18	34	48	19	60	24	40	16

**LCReSponder Controlled Prep HPLC Instruments
Site Preparation Checklist**



Environmental Conditions

Operating your instrument within the recommended temperature ranges insures optimum instrument performance and lifetime.

Special Notes

1. Performance can be affected by sources of heat & cold e.g. direct sunlight, heating/cooling from air conditioning outlets, drafts and/or vibrations.
2. The site's ambient temperature conditions must be stable for optimum performance.
3. A minimum of 80 psi of dry filtered compressed air or nitrogen is required.
4. Do not place instruments where there is significant vibration or a sudden change in temperature or humidity, a window or ventilation duct.
5. Bench to Support minimum weight 400 lb. (180 kg) is required.

Instrument Description	Operating temp range °C (F)	Operating humidity range (%)
PrepStar SD1 Pump	15- 30 °C (59 - 86 °F)	20-80%RH
PrepStar SD2 Pump	15- 30 °C (59 - 86 °F)	20-80%RH
PrepStar 218 pump	15- 30 °C (59 - 86 °F)	20-80%RH
PrepStar OPTO Interface Module	15- 30 °C (59 - 86 °F)	20-80%RH
PrepStar 530 Fluidics	15- 30 °C (59 - 86 °F)	20-80%RH
PrepStar LC325 UV detector	15- 30 °C (59 - 86 °F)	20-80%RH
PrepStar 440 Fraction Collector	15- 30 °C (59 - 86 °F)	20-80%RH

**LCReSpender Controlled Prep HPLC Instruments
Site Preparation Checklist**



Power Consumption

Special Notes

1. If a computer system is supplied with your instrument, be sure to account for those electrical outlets.
2. Do not connect the PrepStar 530, solvent delivery module, or detector to a power source that is susceptible to sudden changes in voltage.

Instrument Description	Line Voltage & Frequency (V, Hz)	Maximum Power Consumption (VA)
PrepStar SD1 Pump A	110-230, 50-60	1000
PrepStar SD1 Pump B	110-230, 50-60	1000
PrepStar SD2 Pump A	110-230, 50-60	600
PrepStar SD2 Pump B	110-230, 50-60	600
PrepStar SD2 Inject Pump	110-230, 50-60	600
PrepStar 218 Inject pump	110-230, 50-60	400
OPTO Interface Module	110-230, 50-60	250
530 Fluidics module	NA	NA
PrepStar LC325 UV detector	110-230, 50-60	150
PrepStar 440 Fraction collector	110-230, 50-60	75

**LCReSponder Controlled Prep HPLC Instruments
Site Preparation Checklist**

Required Operating Supplies by Customer

Please refer to individual test sections for more information on the quantity and / or concentration of the materials required for the successful completion of the IQ, OQ

Item Description (including dimensions etc)	Vendor's Part Number (if applicable)	Recommended Quantity
Graduated cylinder, 1000 mL, 500 mL, 100 mL	"any"	1 each
Timer or stopwatch	"any"	1
HPLC grade water or DI water 10L	"any"	10L
HPLC grade acetone 2.4% for detector test	"any"	100 mL
HPLC grade acetone 0.5% for gradient test	"any"	1, 4 or 10L

If there are any special site requirements for the validation prior to performing this validation, record the information below.

Special Site requirement	<input type="checkbox"/> None

Important Customer Web Links

For additional information about our solutions, please visit our web site at

<http://www.chem.agilent.com/en-US/Pages/HomePage.aspx>

Need to get information on your product?

Literature Library - <http://www.agilent.com/chem/library>

Need to know more?

Customer Education - <http://www.agilent.com/chem/education>

Need technical support, FAQs? - <http://www.agilent.com/chem/techsupp>

Need supplies? - <http://www.agilent.com/chem/supplies>