

# Mandatory laboratory Pre-Delivery and Installation Questionnaire for Eppendorf products

Freezer, Shaker, CO<sub>2</sub> Incubator, Centrifuges

Dear Customer,

In order to ensure the successful delivery and installation, we require to check the delivery and installation conditions (e.g. on-site installation space, power supply) of your new device. Please fill out the following form and send it back to your sales representative. Don't hesitate to contact us in case of any questions.

Eppendorf Service will schedule an installation date after receiving the completely filled out checklist.

If the installation cannot be performed on the scheduled day due to incorrect information (e.g. electrical requirements), we will arrange a second installation visit at your expense.

This device is designed to be installed by an Eppendorf service representative. Installation by anyone other than authorized Eppendorf personnel invalidates any warranty covering the device.

Your contact details:

☐ Mr. ☐ Mrs. ☐ \_\_\_\_\_ Title Name: \_\_\_\_\_ First Name: \_\_\_\_\_  
Company/University/Clinic: \_\_\_\_\_ Institute/Department: \_\_\_\_\_  
Group: \_\_\_\_\_  
Street: \_\_\_\_\_  
Building: \_\_\_\_\_ Floor: \_\_\_\_\_ Room: \_\_\_\_\_  
Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

| Version | Issue date | Chapter | Change      |
|---------|------------|---------|-------------|
| 1       | 2022-04    | n/a     | Created new |
|         |            |         |             |

## Equipment location

Company/University/Clinic: \_\_\_\_\_ Institute/Department: \_\_\_\_\_

Group: \_\_\_\_\_

Street: \_\_\_\_\_

Building: \_\_\_\_\_ Floor: \_\_\_\_\_ Room: \_\_\_\_\_

1. Device(s): \_\_\_\_\_ No. of Devices: \_\_\_\_\_
2. Delivery terms: Deliver to dock \_\_\_\_\_ Deliver to lab or point of installation \_\_\_\_\_
3. Delivery destination: Goods receipt ☐ Ground Floor ☐ 1. Floor ☐ 2. Floor ☐ 3. Floor other floor
4. Elevator: ☐ Yes ☐ No
5. Transport in elevator: Lengthwise \_\_\_\_\_ Widthwise \_\_\_\_\_
6. Max capacity of the elevator: \_\_\_\_\_ kg
7. Number of existing mains supplies/outlets of phase and voltage required: \_\_\_\_\_
8. Number of existing network ports (if required): \_\_\_\_\_ Number required: \_\_\_\_\_ Type required: \_\_\_\_\_
9. Clearance around installation point for required installation equipment? ☐ Yes ☐ No
10. Obvious problems (small doors, slight angles/corners)? ☐ Yes ☐ No

Door location \_\_\_\_\_ Width \_\_\_\_\_ Height \_\_\_\_\_

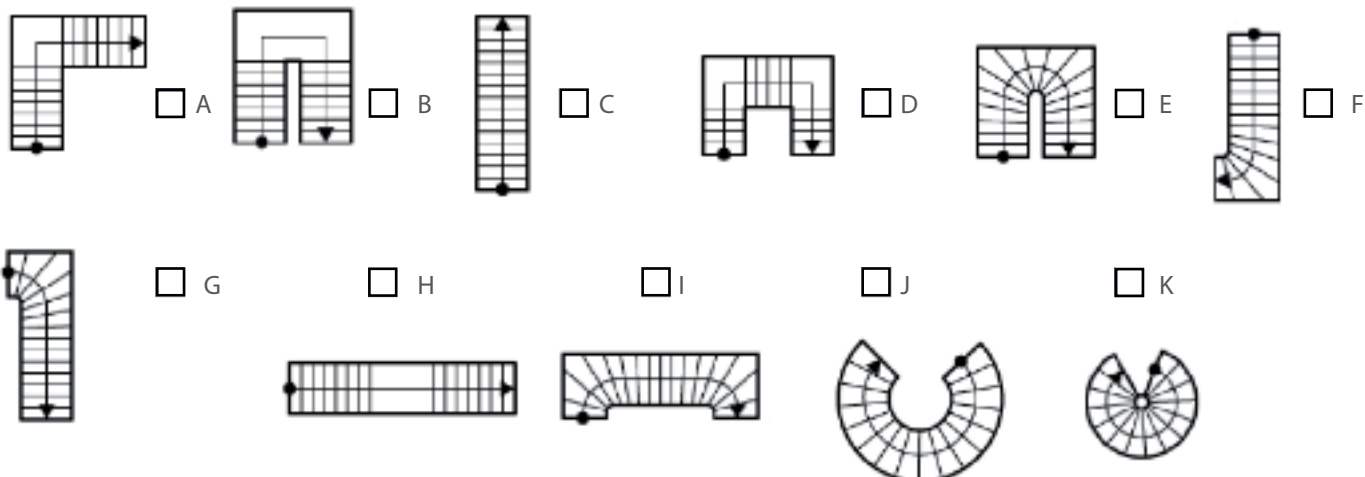
\_\_\_\_\_

\_\_\_\_\_

Stairs location \_\_\_\_\_ Width \_\_\_\_\_ Number of steps \_\_\_\_\_ Height of handrails \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# ULT Freezers

|                             | Package Length (cm) | Package Width (cm) | Package Height (cm) | Package Weight (kg) | Device Length (cm) | Device Width (cm) | Device Height (cm) | Device Weight (kg) |
|-----------------------------|---------------------|--------------------|---------------------|---------------------|--------------------|-------------------|--------------------|--------------------|
| Innova <sup>+</sup> U101    | 114.2               | 77.3               | 105.5               | 141                 | 90                 | 56.6              | 83                 | 116                |
| Innova U360                 | 120                 | 77                 | 219                 | 266                 | 67                 | 86.7              | 195                | 230                |
| Innova U535                 | 120                 | 104.5              | 219                 | 296                 | 80                 | 86.7              | 195                | 250                |
| Innova U725 series          | 120                 | 104.5              | 219                 | 315                 | 102.5              | 86.7              | 195                | 361                |
| Premium U410                | 120                 | 104.5              | 219                 | 283                 | 80                 | 85.2              | 193                | 235                |
| HEF U410                    | 120                 | 104.5              | 219                 | 302                 | 80                 | 85.2              | 193                | 262                |
| CryoCube <sup>+</sup> F101h | 115                 | 78                 | 105                 | 152                 | 93.4               | 63.1              | 83                 | 123                |
| CryoCube F440n              | 105                 | 122                | 220                 | 308                 | 89.8               | 95.5              | 195                | 267                |
| CryoCube F440h              | 105                 | 122                | 220                 | 327                 | 89.8               | 95.5              | 195                | 286                |
| CryoCube F570 series        | 120                 | 104.5              | 219                 | 310                 | 102.5              | 85.2              | 194                | 296                |
| CryoCube F740h              | 120                 | 104.5              | 223                 | 366                 | 91.5               | 109.9             | 197.3              | 317                |
| CryoCube F740hi/hiw         | 120                 | 104.5              | 223                 | 366                 | 98                 | 109.9             | 197.3              | 317                |
| Innova C585                 | 186                 | 96                 | 134.5               | 298                 | 169                | 78.5              | 109.2              | 240                |
| Innova C760                 | 222.4               | 97.4               | 134.5               | 333                 | 205                | 78.5              | 109.2              | 285                |

## Connection of water cooled Freezers

Min. flow volume: 3/8 L/min possible ☐ Yes ☐ No Max. water temp.: 25 °C ☐ Yes ☐ No

Max. pressure: 10 bar possible ☐ Yes ☐ No Min. water temp.: 7 °C ☐ Yes ☐ No

Min. pressure: 1 bar possible ☐ Yes ☐ No

Note: Condensor may freeze while operation if the water temperature is below 6 °C

Water connection: in- and output connection 15 mm copper 1/2 in male screw

Water quality: water has to be clean and free of particles; please use a pipe filter otherwise (60 mesh/0.25 mm mouth).

A drain and water supply is needed. Drain without pressure. ☐ Yes ☐ No

If not fulfilled: Difference between water supply and drain min 2 bar. ☐ Yes ☐ No

Note for Logistics:

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Attention!

Transportation costs depending on the above given information

Employee: \_\_\_\_\_ Date: \_\_\_\_\_

# CO<sub>2</sub> Incubators

|                                            | Package Length (cm)                          | Package Width (cm) | Package Height (cm) | Package Weight (kg) | Device Length (cm) | Device Width (cm) | Device Height (cm) | Device Weight (kg) |
|--------------------------------------------|----------------------------------------------|--------------------|---------------------|---------------------|--------------------|-------------------|--------------------|--------------------|
| CellXpert C170i                            | 120.4                                        | 80.0               | 117.6               | 132                 | 71.5               | 71.8              | 90.0               | 113                |
| 2x CellXpert C170i, with stacking stand    | all components are delivered as single items |                    |                     |                     | 71.5               | 71.8              | 194.6              | 261                |
| CellXpert C170                             | 120.4                                        | 80.0               | 117.6               | 124                 | 70.5               | 71.8              | 90.0               | 105                |
| 2x CellXpert C170, with stacking stand     | all components are delivered as single items |                    |                     |                     | 70.5               | 71.8              | 194.6              | 245                |
| Galaxy 48R                                 | 60.0                                         | 70.0               | 87.5                | 50                  | 49.7               | 48.9              | 65.2               | 32                 |
| New Brunswick S41i                         | 87.5                                         | 100.0              | 118.5               | 192                 | 73.0               | 87.5              | 85.0               | 154                |
| 2x New Brunswick S41i, with stacking stand | all components are delivered as single items |                    |                     |                     | 73.0               | 87.5              | 186.1              | 351                |

Ensure enough gas flow pressure, if more than one incubators are connected to the same gas line: ☐ Yes ☐ No

|                    | Minimum                      | Maximum                       | Optimal                      |
|--------------------|------------------------------|-------------------------------|------------------------------|
| CellXpert 170/170i | 0.05 MPa (7.2 psi / 0,5 bar) | 0.15 MPa (21.8 psi / 1.5 bar) | 0.1 MPa (14.5 psi / 1.0 bar) |
| Galaxy 48R         | 0.05 MPa (7.2 psi / 0,5 bar) | 0.1 MPa (14.5 psi / 1.0 bar)  | 0.05 MPa (7.2 psi / 0,5 bar) |
| New Brunswick S41i | 0.05 MPa (7.2 psi / 0,5 bar) | 0.1 MPa (14.5 psi / 1.0 bar)  | 0.05 MPa (7.2 psi / 0,5 bar) |

Gas tubings included with the incubators have 10 mm/0.4 in outer diameter and 6.5 mm/0.2 in inner diameter.

Please define your gas supply connection pin diameter or adapters needed for installation: \_\_\_\_\_

Note: the incubator must transported only in their original packaging. For short distance moving the included lifting handles must be used (CellXpert). Please take care to lift incubator uniformly during moving. Do not tilt over the incubator's standing feet for positioning (feet could break).

CellXpert floor space: Minimum floor space required (e.g. workspace or bench w/o stacking stand): ☐ Yes ☐ No  
 > Width: 81 cm (32 in)  
 > Depth: 60 cm (23.6 in)  
 > Height: 95 cm (37.5 in)

Connections for VisioNize system (LAN), BMS relay, and gas tubings are located at the rear of the incubator.

Please ensure to have enough additional space (besides the indicated device dimensions) for their optimal usage.

We recommend to add 10 cm (4 in) to each dimension indicated in the table above. ☐ Yes ☐ No

Will the CO<sub>2</sub> incubators be stacked? ☐ Yes ☐ No



**WARNING! Risk of personal injury and equipment damage**

Single C170/C170i devices or stacked C170/C170i devices on the stacking stand may tip over if not secured with the safety latch.

Secure single devices or the upper device of a dual-stack to the wall with the safety latch.

Note for Logistics:

Attention!

Transportation costs depending on the above given information

Employee: \_\_\_\_\_ Date: \_\_\_\_\_

# Shakers

|                                                  | Package Length (cm)                          | Package Width (cm) | Package Height (cm) | Package Weight (kg) | Device Length (cm) | Device Width (cm) | Device Height (cm) | Device Weight (kg)*** |
|--------------------------------------------------|----------------------------------------------|--------------------|---------------------|---------------------|--------------------|-------------------|--------------------|-----------------------|
| Innova S44i, incubated                           | 132.5                                        | 109                | 83                  | 191.4               | 118.2              | 86.9              | 63.1*              | 181.4*                |
| 2x Innova S44i, incubated with stacking kit      | all components are delivered as single items |                    |                     |                     | 118.2              | 86.9              | 126.3*             | 366.9*                |
| 3x Innova S44i, incubated with stacking kit      | all components are delivered as single items |                    |                     |                     | 118.2              | 86.9              | 189.5*             | 578.9*                |
| Innova S44i, refrigeration                       | 132.5                                        | 109                | 83                  | 198.2               | 118.2              | 86.9              | 63.1*              | 188.2*                |
| 2x Innova S44i, refrigeration with stacking kit  | all components are delivered as single items |                    |                     |                     | 118.2              | 86.9              | 126.3*             | 376.5* **             |
| 3x Innova S44i, refrigeration with stacking kit  | all components are delivered as single items |                    |                     |                     | 118.2              | 86.9              | 189.5*             | 599.3* **             |
| Innova S44i, refrigeration, photosynthetic light | 132.5                                        | 109                | 83                  | 205.2               | 118.2              | 86.9              | 63.1*              | 195.2*                |

\* Additional items for installation depending on configuration (all delivered as single items):

Short base (10.5 cm): 16.8 kg, Tall base (30.7 cm): 37.7 kg

Add 51 cm to height for door clearance and height of base

\*\* Add additional 14.0 kg for double stack with photosynthetic light and 21.0 kg for triple stack with photosynthetic light.

- Note: Innova S44i requires additional space for installation and service on the side and in the back of the unit

Left side: 30 cm, Right side: 60 cm, Back side: 12.5 cm

- Additional space requirements:

Total space requirement in depth incl. ventilation, door operation and full extension of slide-out platform: 145 cm

|               |                                              |     |    |     |     |    |     |       |
|---------------|----------------------------------------------|-----|----|-----|-----|----|-----|-------|
| Innova 44     | 168                                          | 115 | 95 | 248 | 135 | 84 | 66  | 238   |
| 2x Innova 44  | all components are delivered as single items |     |    |     | 135 | 84 | 132 | 478.4 |
| 3x Innova 44  | all components are delivered as single items |     |    |     | 135 | 84 | 198 | 718.8 |
| Innova 44R    | 168                                          | 115 | 95 | 269 | 135 | 84 | 66  | 259   |
| 2x Innova 44R | all components are delivered as single items |     |    |     | 135 | 84 | 132 | 520.4 |
| 3x Innova 44R | all components are delivered as single items |     |    |     | 135 | 84 | 198 | 781.8 |

Will the shakers be stacked?

☐ Yes

☐ No

For shakers in double/triple stack configuration, check floor conditions with facility management:

Floor of installation area has stiffness equivalent to concrete slab-on-grade

☐ Yes

☐ No

Even and stable floor with no sinks or hollow under surface

☐ Yes

☐ No

Floor covering has no soft foam damping

☐ Yes

☐ No

The floor is able to support more than 9 kN/m<sup>2</sup> (for Innova S44i only)

☐ Yes

☐ No

Note for Logistics:

Attention!

Transportation costs depending on the above given information

Employee: \_\_\_\_\_ Date: \_\_\_\_\_

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