# FormFactor Helium-3 Cryostat Inquiry Checklist

Name: Click or tap here to enter text.

Affiliation: Click or tap here to enter text.

Telephone number: Click or tap here to enter text.

Fax number: Click or tap here to enter text.

Email address: Click or tap here to enter text.

**1. Will the system be used for the following research field (select all that apply)?**

[ ]  Scanning probe microscopy (STM, AFM, etc.)

[ ]  Quantum information and computation

[ ]  Transport measurement (electrical, thermal, etc.)

[ ]  Other: Please specify: Click or tap here to enter text.

**2. Do you want a “wet” system or a cryogen-free one?** Choose an item.

**3. Expected base temperature (mK):** Click or tap here to enter text.

**4. Holding time:** Click or tap here to enter text.

**5. Minimum sample space:**

 **Diameter (inches)** Click or tap here to enter text.

 **Height (inches)** Click or tap here to enter text.

**6. Any wires needed for users’ experiments?** (FormFactor supplies 0.005” manganin wires in twisted pairs for the user when needed)**:** Choose an item.

 **If yes, how many?** Click or tap here to enter text.

**7. Any coaxial cables needed for users’ experiments?** Choose an item.

 **If yes, what type of coaxial cables?**

(Optional SMA feedthroughs available for configuration)

|  |  |
| --- | --- |
| Miniature flexible  | Quantity: Click or tap here to enter text. |
| Semi rigid | Quantity: Click or tap here to enter text. |

**8. Do you need a dewar?** (If you have an existing dewar, please supply the drawing with dimensions.) Choose an item.

**9. Do you need a superconducting magnet?** Choose an item.

**If yes, please specify the following:**

**Central field at 4.2 K (tesla)** Click or tap here to enter text.

**Clear bore (inches)** Click or tap here to enter text.

**Lambda fridge needed?** Choose an item.

**Configuration:** Choose an item.

**10. Do you need the magnet power supply?** Choose an item.

**11. Select accessories needed:**

[ ]  Helium transfer line

Electronics:

[ ]  Model 340 Temperature controller

[ ]  Model 370 AC bridge/temperature controller

[ ]  Multi-channel scanner for 370 AC bridge/temperature controller

[ ]  Model AVS-47 AC resistance bridge

[ ]  1 K pot pumping station

[ ]  On-site installation

**12. Please specify the following special features, if needed:**

[ ]  **Special holes?**

 **If yes, type?** Choose an item.

**If yes, where?** Click or tap here to enter text.

[ ]  **Clear shot tubes?**

**If yes, how big?** Click or tap here to enter text.

**If yes, how many?** Click or tap here to enter text.

[ ]  **Manipulators?**

[ ]  **Other, if any? Please specify:**  Click or tap here to enter text.

**13. Do you have any ceiling height restrictions?** Click or tap here to enter text.

**14. Other information (This will be helpful for designing and pricing.):**

**What is the heat load from the experiments (watt)?** Click or tap here to enter text.

**What kind of experiment do you need this dilution refrigerator for?** Click or tap here to enter text.

**Is this inquiry for a “real” purchase or for proposal?** Choose an item.

**Have you looked at the FormFactor web page?** Choose an item.

**Do you know what model of our He-3 cryostat you are looking for?**

[ ]  HE-3-SSV

[ ]  HE-3-TLSL

[ ]  HE-3-TLSUHV-STM

[ ]  HE-3-SSV-PT-2

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