



One-Minute NMR™ Installation Preparation User Checklist

Intranet/Internet

- NMR Console Workstation Computer
 - Cat5e cable with active Intranet or Internet connection
 - Fixed domain name or IP address
- One-Minute NMR Computer Requirements (PC is built into the top module of the Discovery Tower)
 - Fixed IP address or domain name (if remote web access to One-Minute NMR is desired).
 - Protasis/MRM will configure the computer on-site. Connection is via network, not peer-to-peer.
 - We will confirm that the network One-Minute NMR PC connection can ping the NMR workstation computer IP address through the network. Non-Tower users should perform this test themselves.
 - E-mail account dedicated to One-Minute NMR to send alerts and completion notices. An external e-mail server can be used if desired.

NMR Workstation Computer

- Varian software must have Vnmr 6.1c, or any VnmrJ version
- Varian workstation OS must be Solaris 8 or higher, or Linux Redhat.
- Bruker software must have XWINNMR 3.5 or higher, or any TopSpin version
- Bruker workstation OS must be Linux Redhat or MS Windows.

Gas Supply (*Discovery Tower Users Only*)

- 99.995% Helium preferred (ultra high purity grade) with user-supplied regulator
- Gas regulation provided to at least 10 psi (second stage not to exceed 60 psi max; required); Fisher #10-572-C is such a regulator.
- Gas needs to be provided via a 1/16" outer diameter tube of Halar, PEEK, or stainless steel (i.d. is usually 0.030"). The source should be within about 10 feet of the Discovery Tower location. We will supply 10 feet of connection tubing. If more is needed, we recommend:
 - Upchurch Tubing, 1/16" o.d. Halar, 0.030" i.d., #PM4030 (order by the inch)

Work Area

- Bench top or table space about 6 feet wide by 3 feet deep; as close 5 gauss line as possible
- If placing unit on a cart, it should be constructed from non-magnetic materials with enough space to accommodate placement of the autosampler, monitor, keyboard, and mouse
 - If the Discovery Tower is included, a 400-pound load rating is advised
- DMSO users should provide a lab temperature of 23 degrees C or higher

Power

- One power outlet within 10 ft of bench top or table space to be used
 - We supply a power strip with a 10-foot cord
- Standard 120V outlet; total current capacity demand < 20A
- Approximate power ratings:
 - Computer (estimated for stand-alone unit, not Discovery Tower): 300W
 - Computer (within Discovery Tower): 250W
 - Discovery Tower (all modules except computer): (300W)
 - HTSL (stand-alone, each): 115W
 - Leap autosampler: 150W

Solvent

- Approximately 300-400 mL of each deuterated solvent needs to be supplied by the user