ASTM Values for Probes and Magnets
4 Feb 2026; DL Olson

ASTM Standard Sample composition in a 5-mm NMR tube is:

- For ^{13}C, 60% benzene-d_6 and 40% p-dioxane
- For ^{1}H, 0.1% ethylbenzene in $CDCl_3$

CB500 – 146 RAL – Default Configuration is CryoProbe BBFO Probe (helium-based probe cooling)

- ^{1}H one transient, S/N = 2000
- ^{13}C one transient, S/N = 1200

B600 – A151 CLSL – Default Configuration is Prodigy CryoProbe BBO (nitrogen-based probe cooling)

- ^{1}H one transient, S/N = 1500
- ^{13}C one transient, S/N = 1000

750NB – A151 CLSL - Default Configuration is Varian Indirect Detection Probe

- ^{1}H one transient, S/N = 900
- ^{13}C one transient, S/N = 150

UI500NB – 146 RAL - Default Configuration is Nalorac Indirect Detection Probe

- ^{1}H one transient, S/N = 700

UI600 – 55 Noyes Lab – Default Configuration is AutoX Broad Band Probe

- ^{1}H one transient, S/N = 300
- ^{13}C one transient, S/N = 300