

## Research NMR Instruments in the Department of Chemistry - October 2023

	Walk-Up Access						Trained User Operated				Service Operated		Talk to CPG/ACF/MJD Groups	
Bruker Console	AVIII 400	AVIII 400	AVIII 500	Avance 500	Neo 400	AVIII 700 Cryo	AVIII 400	AVIII 500	AVIII 700 Cryo	AVIII 700 Solid-State	AVIII 500	AVIII 400	Solid-State AV 400	Solid-State Various
Probe Type	BBFO Smartprobe	BBO	BBFO Smartprobe	1H/13C Dual	Prodigy Cryoprobe	TCO Cryoprobe	BB Smartprobe	BBFO Smartprobe	TCO Cryoprobe	Solid-state	Dual 13C/1H Cryoprobe	QNP	Various	Various
Location	B18	B25	B13	B19	B25	B14	B13	B19	B14	B14	B28	B28	B17	CPG Labs
System Name	Laphroaig	Lagavulin	Glenfairn	Glenlivet	Tobermory	Arran	Auchentoshan	Glengrant	Arran	Arran	Aberlour	Cragganmore	Lossie/Glenkinchie	700/500/300/300/200
Cryoprobe	No	No	No	No	Nitrogen	Helium	No	No	Helium	No	Helium	No	No	No
1H (inc. 2D)	✓	✓	✓	✓	✓✓	✓✓✓	✓	✓	✓✓✓	✓	✓✓	✓	✓	✓
13C	✓	✓	✓	✗	✓✓	✓✓✓	✓	✓	✓✓✓	✓	✓✓✓	✓	✓	✓
19F	✓	✓	✓	✗	✓✓	✗	✓	✓	✗	✓	✗	✓	✓	✓
31P	✓	✓	✓	✗	✓✓	✗	✓	✓	✗	✓	✗	✓	✓	✓
Other Nuclei	✓	✓	✓	✗	✓✓	✗	✓	✓✓	✗	✓	✗	✗	✓	✓
VT Work	✗	✗	✗	✗	✗	✗	✓	✓✓✓	✗	✗	✗	✗	✓	✓
Biological NMR	✗	✗	✗	✗	✗	✓✓✓	✗	✗	✓✓✓	✓	✓	✗	✗	✗
Solid samples	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓✓✓	✗	✗	✓✓✓	✓✓✓

The ticks are only an approximation of relative s/n. May scale exponentially!

Tobermory may have restricted access at times.

Solid-State research on Arran is on a 1 -2 month cycle.