

## Research NMR Instruments in the Department of Chemistry - Summer 2024

	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 1H/19F only	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	B22	B25	B13	B19	B25	B14	B13	B19	B14	B14	B28	B28	B12/B17/B18	CPG Labs
System Name	Laphroaig	Lagavulin	Glenfairn	Glenlivet	Tobermory	Arran	Auchentoshan	Glengrant	Arran	Arran	Aberlour	Cragganmore	Lossie/ Kinchie/Nessie & Juniper	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.

Arran runs open-access all day but can be booked for user operation.