

Which instrument should I use?

	Neo300	Neo500	I400	500B	500A	DD800
Probe	5 mm BBO S1 w/ PFG	5 mm Prodigy BBO S1 w/ PFG	5 mm AutoX BroadBand w/ PFG	5 mm SW/PFG	5 mm HCN w/ PFG	5 mm HCN w/ PFG
Make	Bruker	Bruker	Varian/Agilent	Varian/Agilent	Varian/Agilent	Varian/Agilent
Field	300	500	400	500	500	800
Console	Avance Neo	Avance Neo	Inova	DD2	DD2	DD2
Software	Topspin	Topspin	VnmrJ	OpenVnmrj	OpenVnmrj	OpenVnmrj
CryoProbe	-	Yes	-	-	Yes	-
Sensitivity	Good	Better	Good	Good	Best	Better
Resolution	Good	Better	Good	Better	Better	Best
Sample Exchanger	Yes	Yes	-	-	-	-
VT	-	-	-	Yes	-	-
Proton (1H)	Yes	Yes	Yes	Yes	Yes	Yes
Carbon (13C)	Yes	Yes	Yes	Yes	Yes	Yes
Niotrogen (15N)	Yes	Yes	Yes	Yes	Yes	Yes
Flourine (19F)	Yes (CH 2)	Yes (CH 1)	Yes (CH 1)	Yes (CH 1)	-	-
Proton Flourine 2D or Decoupled (1H {19F})	Yes	-	-	-	-	-
Carbon Flourine 2D or Decoupled (13C {19F})	-	Yes	Yes	Yes	-	-
Other nuclei (11B, 29Si, 31P, etc.)	Yes	Yes	Yes	Yes	-	-
2D experiements	Yes	Yes	Yes	Yes	Yes	Yes
Prerequisite Training	New User Training	Neo300	Neo300	Neo300	i400 or 500B	i400 or 500B