List of common experiments on Ag500

Experiment entries	Description	Recommended setting for ~10mg material, please modify "NS" accordingly based on your sample concentration
PROTON_icon	routine 1D proton spectrum	**Common parameters for all experiments:** **D1**: relaxation delay, 1 to 5 times of T1, 2-5 seconds **SW**: spectral width in ppm for F2 (direct dimension) **AQ**: Acquisition time in seconds **NS**: number of scans **O1P**: offset freq for channels 1 in ppm, usually 1H **O2P**: offset for channel 2, usually 13C **1TD**: Time domain data points for F1 (indirect dimension), aka number of increments **1SW:** spectral width in ppm for F1
C13CPD_icon	1D ^{1}H-decoupled ^{13}C spectrum	
C13DEPTQ135_icon	DEPTQ 135 experiment detect all Carbons - CH3/CH positive CH2/C negative	
C13IG_icon	13C with inverse gated 1H decoupling no NOE for quantitative NMR	
C13DEPT90_icon	DEPT 90 experiment only CH	
C13DEPT135_icon	DEPT 135 experiment CH3/CH positive CH2 negative -^{13}C 1-bond correlations, all peaks positive (dept-45 analog) DEPT-135 experiment	
gCOSY_icon	Gradient selected COSY	
COSYDQF_icon	COSY with double quantum filter	
HSQC_EDIT_icon	1H-13C multiplicity edited HSQC with gradient selection	
HSQC_icon	1H-13C 1-bond correlations, all peaks positive, HSQC with gradient selection	
HSQC_EDIT_NUS_icon	1H-13C multiplicity edited HSQC with gradient selection Non Uniform Sampling w/ 25% sampling density	
HMBC_icon	1H-13C HMBC with gradient selection using 3-fold low pass filter for better 1J suppression	CNST13 = 3-12 Hz (default 8Hz for $J_{2/3}$CH)
HMBC_NUS_icon	1H-13C HMBC with gradient selection using 3-fold low pass filter for better 1J suppression Non Uniform Sampling w/ 50% sampling density	
TOCSY_icon	Phase sensitive 2D TOCSY experiment using MLEV-17 mixing	d9 = 30 to 120 ms
NOESY_icon	Phase sensitive NOESY 1H-1H correlations based on proximity also for exchange	d8 = 0.1 to 1 second
ROESY_icon	1H-1H correlations based on proximity for intermediate MW around 1600 Da	p15 = 0.1 to 0.5 second
WATER_SUPP_icon	Solvent suppression with noesygppr1d sequence	p15 = 0.1 to 0.5 second