

AUTOMAS: Efficient time management in solid state NMR

Product used : Nuclear Magnetic Resonance (NMR)

JEOL AUTOMAS probe combined with Auto Sample Changer*1 and Auto Tune Unit allows for fully automated solid NMR measurements including sample load/eject, tuning and matching, magic angle spinning frequency control, and temperature control. This enables you to manage efficient data collection as liquid NMR.

Automated continuous measurement

An example of automated continuous measurement by changing sample, observation nuclei*2, and MAS frequency



Spectrometer Control - Advanced Mode

Connection Options Tools Config Shims Samples

datum2

User: delta
Owner: delta

Sample: CholicAcid (18)
Job: -
Method: -
Action: Idle
Collected: -
Time: -

Activity

Samples Jobs Queue Monitor Status

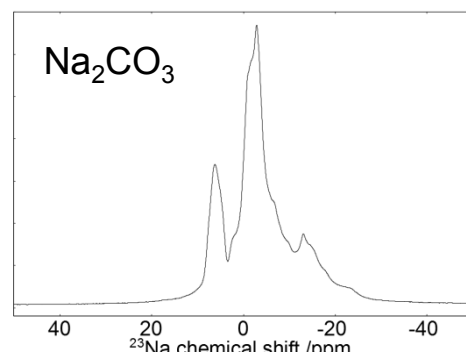
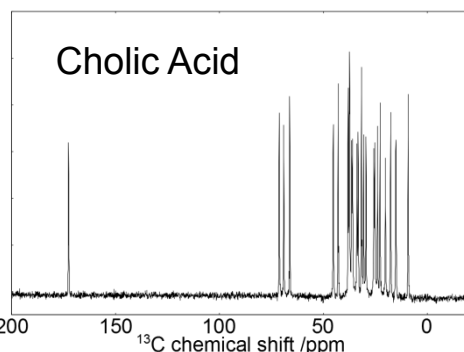
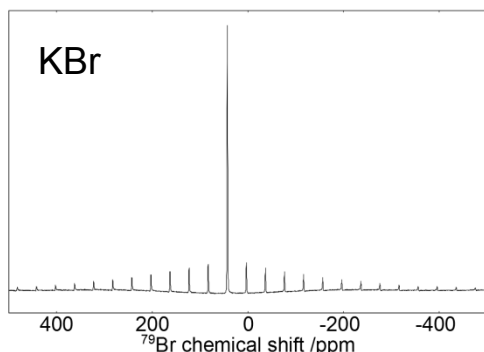
Sample Control: Eject Interactive

| No. | Sample Name | Solvent | Slot | Kind | Shared | Verified |
|-----|---------------|---------|------|--------|--------|-------------------------------------|
| 1 | KBr | NONE | 16 | Solids | | <input checked="" type="checkbox"/> |
| 2 | CholicAcid | NONE | 18 | Solids | | <input checked="" type="checkbox"/> |
| 3 | Na2CO3 | NONE | 20 | Solids | | <input checked="" type="checkbox"/> |
| 4 | Indomethacine | NONE | 29 | Solids | | <input type="checkbox"/> |

⁷⁹Br 5kHz

¹³C 20kHz

²³Na 15kHz



Related product JNM-ECZR500, 3.2mmAUTOMAS probe, JackBean30

*1 Compatible auto sample changers are JackBean30, 60, 100, and ASC24.

*2 Automatic tuning is not available between nucleus with large observation frequencies difference which is required a frequency conversion stick.

