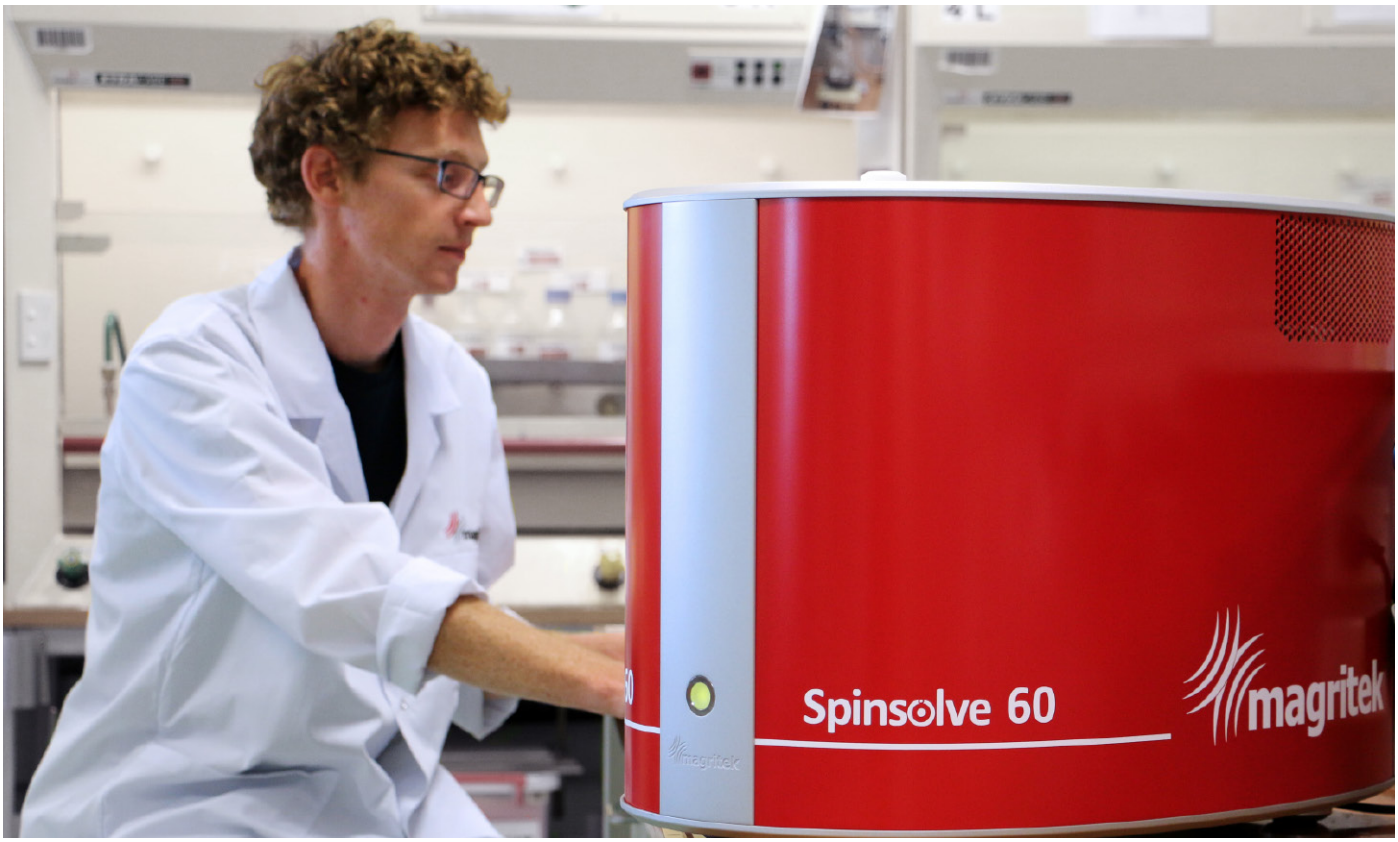
Spinsolve 60

magritek
www.magritek.com

60 MHz benchtop NMR

The Magritek Spinsolve 60 NMR spectrometer sets a new standard for 60MHz benchtop NMR instruments. The Spinsolve 60 spectrometer provides high quality ^{1}H and ^{19}F NMR spectra in seconds, right where it is needed - at your laboratory bench.

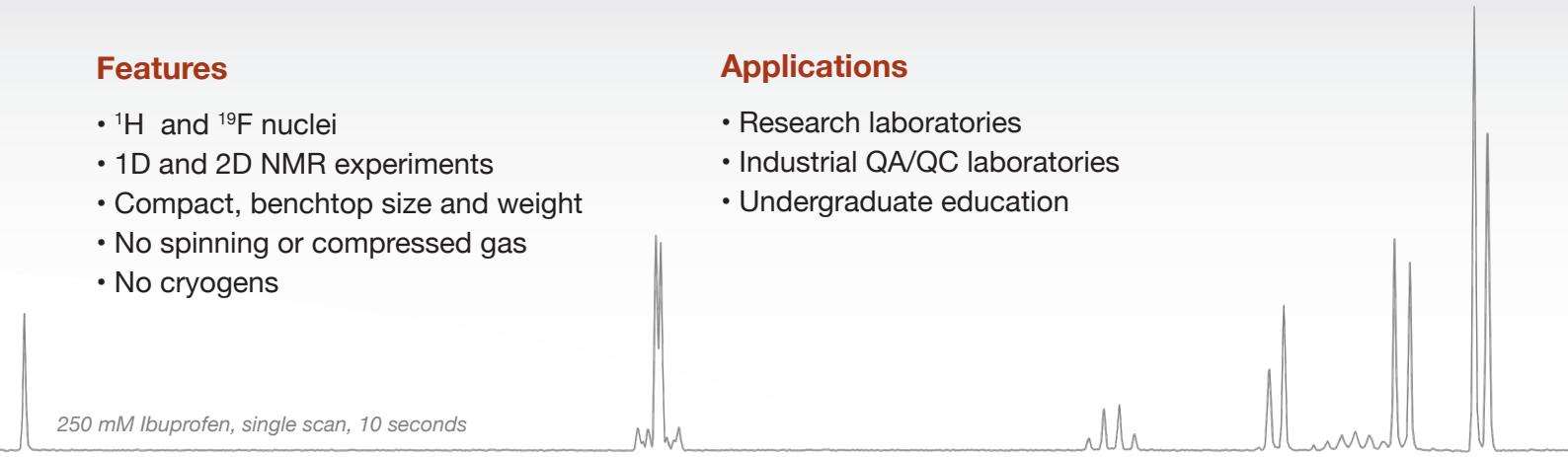


Features

- ^{1}H and ^{19}F nuclei
- 1D and 2D NMR experiments
- Compact, benchtop size and weight
- No spinning or compressed gas
- No cryogens

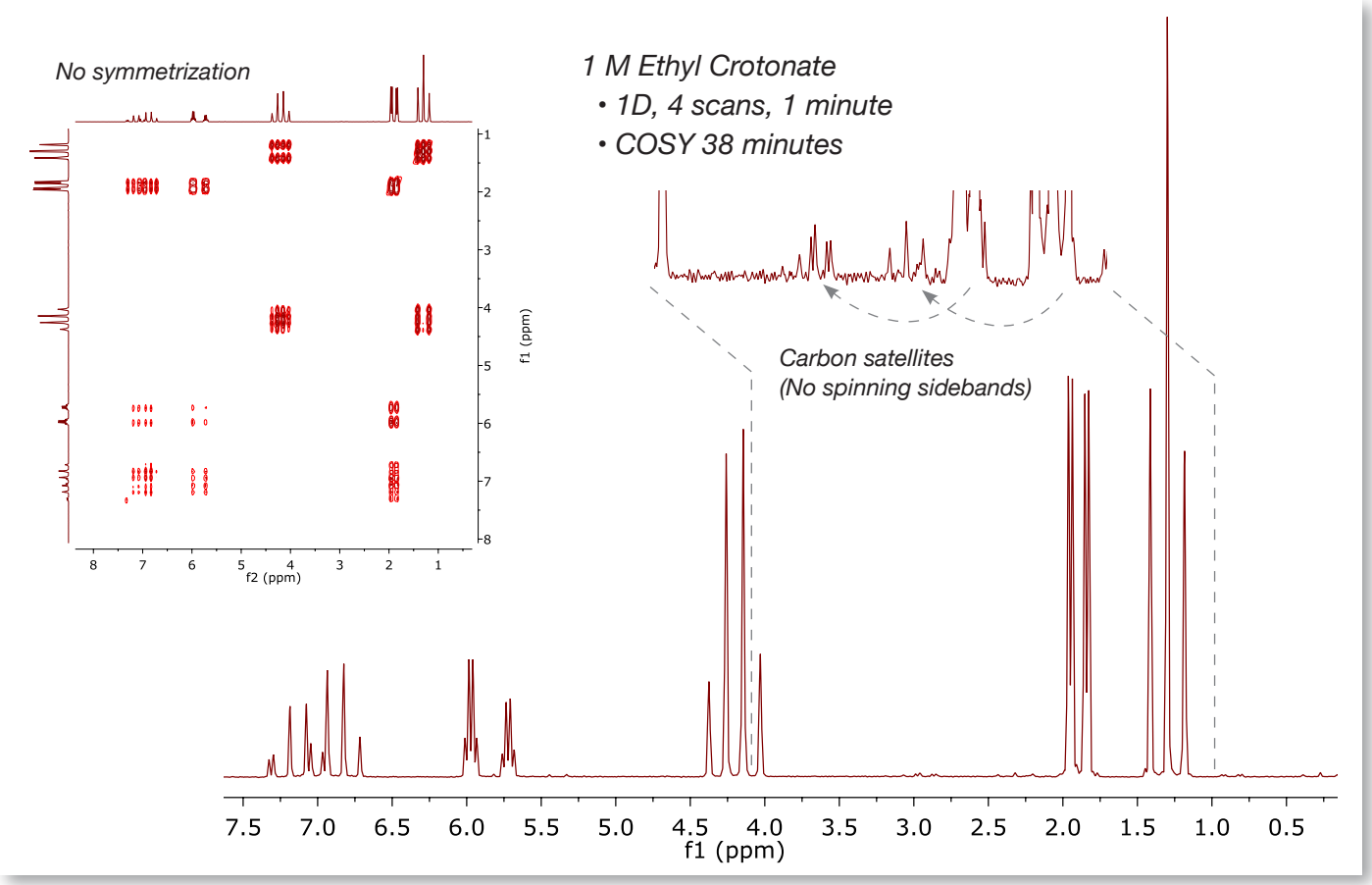
Applications

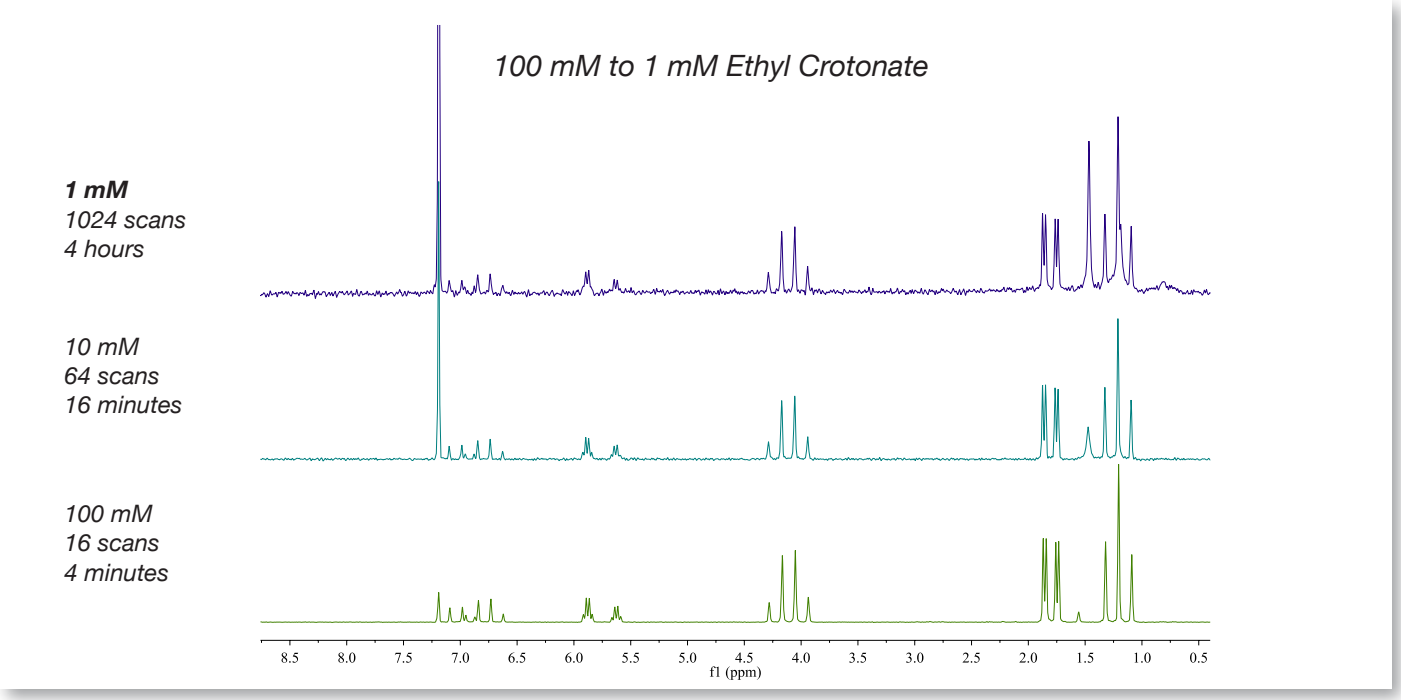
- Research laboratories
- Industrial QA/QC laboratories
- Undergraduate education



250 mM Ibuprofen, single scan, 10 seconds

Example spectra from the Spinsolve 60 benchtop NMR





Software

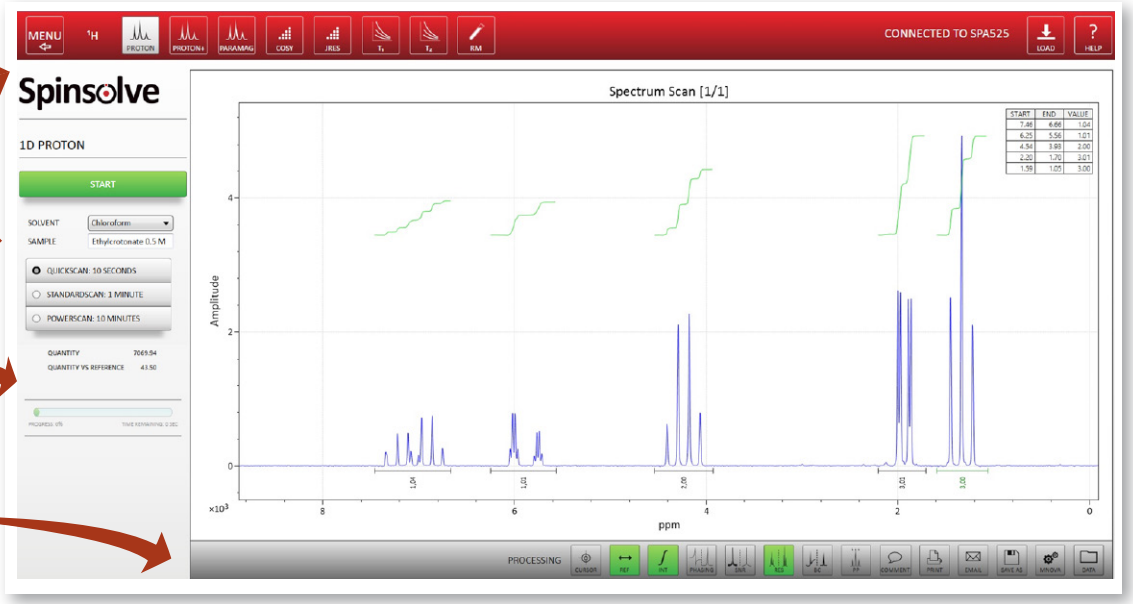
The Spinsolve software is beautifully simple and easy to use, with a clean and intuitive user interface.

Easy experiment selection in the upper menu

Single button start

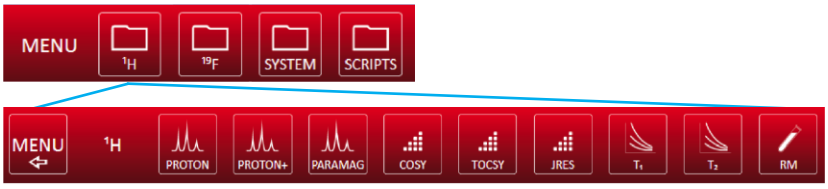
Progress bar

One-click processing buttons



Simple menu structure

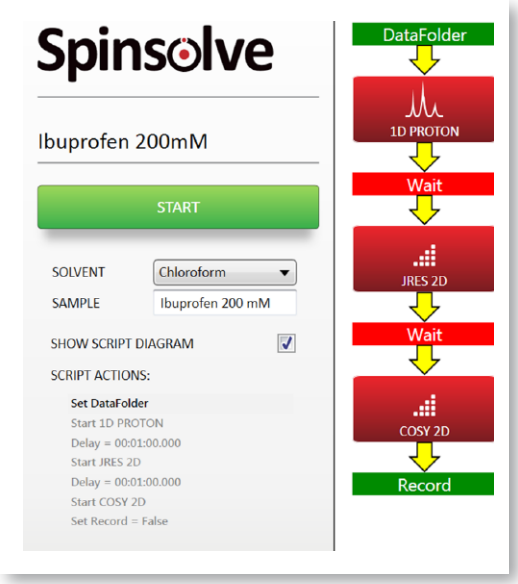
1. Click to choose nucleus
2. Click to choose experiment
3. Click Start (watch status on the progress bar)
4. Click any processing you wish to apply



Automate experiments with scripts

Using scripts the user can queue a series of experiments to run sequentially. A range of script templates are provided for easy modification. Scripts are displayed graphically to provide a clear picture of the sequence.

This script shown here performs a 1D Proton experiment, followed by a JRES and then a COSY.



magritek
www.magritek.com

Spinsolve 60

Specifications

- Nuclei: ^{1}H, ^{19}F
- Operating frequency: 60 MHz (^{1}H)
- ^{1}H 50% Linewidth: < 0.5 Hz
- ^{1}H 0.55% Linewidth: < 20 Hz
- ^{1}H Sensitivity: >180:1 for 1% Ethyl Benzene
- Operating Temperature Range: 20° C to 25° C (68° F to 77° F)
- Dimensions: 58 x 43 x 40 cm (23” x 17” x16”)
- Weight: 60 kg (120 lb)
- Stray Field: < 2 G all around system
- Power requirement: 110-240V AC

Pulse sequences available on the Spinsolve 60 spectrometer

Proton	Fluorine
1D	1D
Paramagnetic	Paramagnetic
2D COSY	2D F - COSY
2D TOCSY	2D F - JRES
2D JRES	2D FH - COSY
T_1, T_2	Reaction Monitoring
Reaction Monitoring	

Other sequences may be available, contact Magritek for details.

Contact us now for a quote, or to arrange a demo or sample measurement.

CONTACT INFORMATION

For further information, please contact: sales@magritek.com

GERMANY

Philipsstraße 8
52068 Aachen, Germany
Tel: +49 (241) 70525-6000
Fax: +49 (0)241 539-4375

NEW ZEALAND

6 Hurring Place, Unit 3
Newlands, Wellington 6037, NZ
Tel: +64 4 477 7096
Fax: +64 4 471 4665

UNITED STATES

6440 Lusk Blvd (D108)
San Diego, CA 92121, USA
Tel: +1 (855) 667-6835
+1 (866) NMR-MTEK

Or visit our website www.magritek.com