## LABSCAPE CONSUMABLES, ACCESSORIES AND TOOLS

# Bruker Consumables for NMR Food Profiling Applications

Innovation with Integrity

Bruker's food profiling product portfolio offers multiple applications for the screening of honey, juice, wine and olive oil's authenticity and quality, in a simple, reliable and automated way with minimal sample preparation.

Bruker's Honey-Profiling™ consumables are ready-to-use and NMR-validated, ensuring consistent sample preparation and reliable results. By using Bruker-certified materials, laboratories benefit from optimized workflows and full confidence in the accuracy and precision of their analyses.

The LabScape® portfolio provides a variety of Bruker quality consumables for sample preparation when working with Food Profiling applications:

- NMR validated buffer solutions for the various aqueous samples (honey, wine, and juice)
- pH reference solutions for a very precise calibration of the pH on the BTpH unit
- Dedicated regeneration solutions for pH probes (electrodes) for optimization of their lifetime
- NMR sample tubes to get results compatible with our software databases
- Barcode labels matching the 5mm NMR tubes that allow a clear sample identification and together with the software SampleTrack enable automated analysis of the samples
- Plastic vials compatible with the BTpH unit sample holder and shaker
- Reference samples for temperature, quantification and performance calibration

### Convenience Package for up to 1000 Honey-Profiling Analyses

For continued peace of mind, our well-established Honey bundle includes all consumables needed to prepare and measure up to 1000 samples with the Honey-Profiling™ method — a trusted solution for efficient and reliable honey analysis.

**Material number 1898186**

| Quantity | Product |
|---|---|
| 1 | Barcode Labels, 1000 pcs |
| 1 | Barcode Printer Ribbon |
| 1 | Buffer C solution, 100ml |
| 4 | pH Reference Solution, 100ml |
| 3 | Electrode Regeneration Solution, 250 ml |
| 10 | 1,8 ml CryoVials, 100 pcs |
| 10 | SC1 NMR Tubes, standard quality, 100 pcs |

## Bruker Consumables for Food Profiling Applications

| Product Type | Material Number | Quantity pro pack | Sufficient for: | Product compatibility: | | | |
|---|---|---|---|---|---|---|---|
| | | | | Honey | Wine | Juice | Olive Oil |
| **MATERIALS** | | | | | | | |
| Barcode Labels | 89269 | 1000 pc | 1000 samples | ✓ | ✓ | ✓ | ✓ |
| Barcode Printer Ribbon | 1803114 | 1 pc | ~ 1000 samples | ✓ | ✓ | ✓ | ✓ |
| 1,8 ml plastic vials | 1840058 | 100 pc | 100 samples | ✓ | ✓ | ✓ | ✓ |
| SC1 NMR Tubes, standard quality | 1881108 | 100 pc | 100 samples | ✓ | ✓ | ✓ | ✗ |
| NMR Tubes, high quality | H100 | 1 pc | 1 sample | ✓ | ✓ | ✓ | ✓ |
| NMR Tube Caps | Z106779 | 100 pc | 100 samples | ! | ! | ! | ✓ |
| **BUFFERS** | | | | | | | |
| Buffer A solution (Juice) | H129666 | 100 ml | ~ 1000 samples | ✗ | ✗ | ✓ | ✗ |
| Buffer B solution (Juice) | H129667 | 100 ml | ~ 1000 samples | ✗ | ✗ | ✓ | ✗ |
| Buffer C solution (Honey/Wine) | H140842 | 100 ml | ~ 1000 samples | ✓ | ✓ | ✗ | ✗ |
| pH reference solution | H140841_01 | 100 ml | ~ 50 working days | ✓ | ✓ | ✗ | ✗ |
| Electrode Regeneration Solution (Wine) | H139244 | 250 ml | ~ 80 working days | ✗ | ✓ | ✗ | ✗ |
| Electrode Regeneration Solution (Honey) | 1839472 | 250 ml | ~ 80 working days | ✓ | ✗ | ✗ | ✗ |
| **REFERENCE SAMPLES** | | | | | | | |
| NMR Sample Sucrose for food application | H161225-35 | 1 | Guaranteed minimum shelf-life of 1 year | ✓ | ✓ | ✓ | ✓ |
| NMR Sample Methanol for food applications | H161227-35 | 1 | Guaranteed minimum shelf-life of 1 year | ✓ | ✓ | ✓ | ✓ |
| QuantRefC Sample for food applications | H144519-35 | 1 | Guaranteed minimum shelf-life of 1 year | ✓ | ✓ | ✓ | ✓ |

✓ = required ✗ = non/applicable ! = possible

**Safety Data Sheets Magnetic Resonance**

**Certificates for Standard Sample and Reagent**

## BTpH spare part kit

The following **Bruker BTpH units** requires regular maintenance:

- H116356 BTpH Titration pH Unit
- H177852 BTpH-2 Titration pH Unit
- H163195 BTpH Titration pH Unit CPL
- H178316 BTpH-2 Titration pH Unit CPL

The units contain parts that may become contaminated, clogged or undergo a change in surface chemistry, particularly by the highly concentrated base and acids. It is therefore highly recommended to replace the parts at least after 2 year. A **BTpH spare part kit (H166665)** is available and it contains the following items that can be also purchased individually:

| Material number | Description | Amount in kit | Replace after 2 years or earlier if |
|---|---|---|---|
| 88810 | 100 µl Syringe for Acid and Base pump | 2 | Leakage occurs or dosed volume are inconsistent |
| 88809 | 500 µl for the Buffer/ Additive pump | 1 | Leakage occurs or dosed volume are inconsistent |
| 1804523 | Set with all capillaries, bottles and caps | 1 | Capillaries are damaged; capillaries or bottles show degradations signs or flow path is blocked |

**Find out more about Bruker FoodScreener food analysis solutions**

Bruker BioSpin is continually improving its products and reserves the right to change specifications without notice. Order No. T189517 © 07/2026 Bruker BioSpin.

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