

MACHEREY-NAGEL
CHROMABOND®
QuEChERS mixes

Promotion

Chromatography



Optimized Stick format for extraction mixes

- Convenient solutions for your pesticide residue analysis
- Reduced packaging material
- Excellent price-performance ratio

MACHEREY-NAGEL

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CHROMABOND® QuEChERS mixes

The QuEChERS method

Within a few years after its development by Anastassiades et al. the QuEChERS method has gained a leading position in the determination of pesticide residues in food samples by GC-MS or LC-MS, allowing rapid and cheap clean-up of strongly matrix-contaminated samples.¹

New, convenient Stick format

For an optimized handling and increased productivity in the lab. Stick format packed in aluminum packets.



Step 1: Choose a suitable extraction mix

| Mix and method | Format | Mix No. | MgSO ₄ | Na acetate | Na ₃ citrate | Na ₂ H citrate | NaCl | REF* |
|--|---------|---------|-------------------|------------|-------------------------|---------------------------|---------|-----------|
| Acetate extraction mix (AOAC 2007.01) ² | Stick * | II | 6000 mg | 1500 mg | | | | 730971.3 |
| Acetate extraction mix (AOAC 2007.01) ² | Kit ** | II | 6000 mg | 1500 mg | | | | 730971.3T |
| Citrate extraction mix (EN 15662) ³ | Stick * | I | 4000 mg | | 1000 mg | 500 mg | 1000 mg | 730970.3 |
| Citrate extraction mix (EN 15662) ³ | Kit ** | I | 4000 mg | | 1000 mg | 500 mg | 1000 mg | 730970.3T |
| Original extraction mix ¹ | Stick * | XII | 4000 mg | | | | 1000 mg | 730648.3 |
| Original extraction mix ¹ | Kit ** | XII | 4000 mg | | | | 1000 mg | 730648.3T |
| Original extraction mix ¹ | Stick * | XII | 6000 mg | | | | 1500 mg | 730989.3 |
| Original extraction mix ¹ | Kit ** | XII | 6000 mg | | | | 1500 mg | 730989.3T |

* Pack of 50 aluminum packets (Sticks); ** Pack of 50 aluminum packets (Sticks) and 50 centrifuge tubes

Step 2: Add a suitable QuEChERS clean-up mix

According to AOAC 2007.01 method

| Fruits and vegetables | Tube | Mix No. | MgSO ₄ | Diamino (PSA) | Carbon | C ₁₈ ec | REF* |
|-----------------------|-------|---------|-------------------|---------------|--------|--------------------|--------|
| General | 15 mL | XX | 1200 mg | 400 mg | | | 730658 |
| Pigments | 15 mL | XVII | 1200 mg | 400 mg | 400 mg | | 730842 |
| Fats and waxes | 15 mL | XIX | 1200 mg | 400 mg | | 400 mg | 730669 |
| Pigments and fats | 15 mL | XLVII | 1200 mg | 400 mg | 400 mg | 400 mg | 730845 |

* Pack of 50 centrifuge tubes (15 mL size)

According to EN15662 method

| Fruits and vegetables | Tube | Mix No. | MgSO ₄ | Diamino (PSA) | Carbon | C ₁₈ ec | REF* |
|-------------------------|-------|---------|-------------------|---------------|--------|--------------------|--------|
| General | 15 mL | III | 900 mg | 150 mg | | | 730972 |
| Pigments | 15 mL | IV | 900 mg | 150 mg | 15 mg | | 730973 |
| High amount of pigments | 15 mL | V | 900 mg | 150 mg | 45 mg | | 730975 |
| Fats and waxes | 15 mL | VI | 900 mg | 150 mg | | 150 mg | 730974 |

* Pack of 50 centrifuge tubes (15 mL size)

1 M. Anastassiades, S.S. J. Lehotay, D. Stainbahr, F. J. Schenck, J. AOAC, Int. 86 (2003), 412–431.

2 AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate.

3 EN 15662:2008 Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE – QuEChERS method.

Find more information about QuEChERS products on: www.mn-net.com/quechers or scan our QR code!



Bora-Komorowskiego 56
03–982 Warszawa
www.anchemplus.pl
kontakt@anchemplus.pl



www.mn-net.com

MACHEREY-NAGEL



MACHEREY-NAGEL GmbH & Co. KG
Valenciennr Str. 11
52355 Düren · Germany

DE Tel.: +49 24 21 969-0 info@mn-net.com
CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com
FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com
US Tel.: +1 888 321 62 24 sales-us@mn-net.com