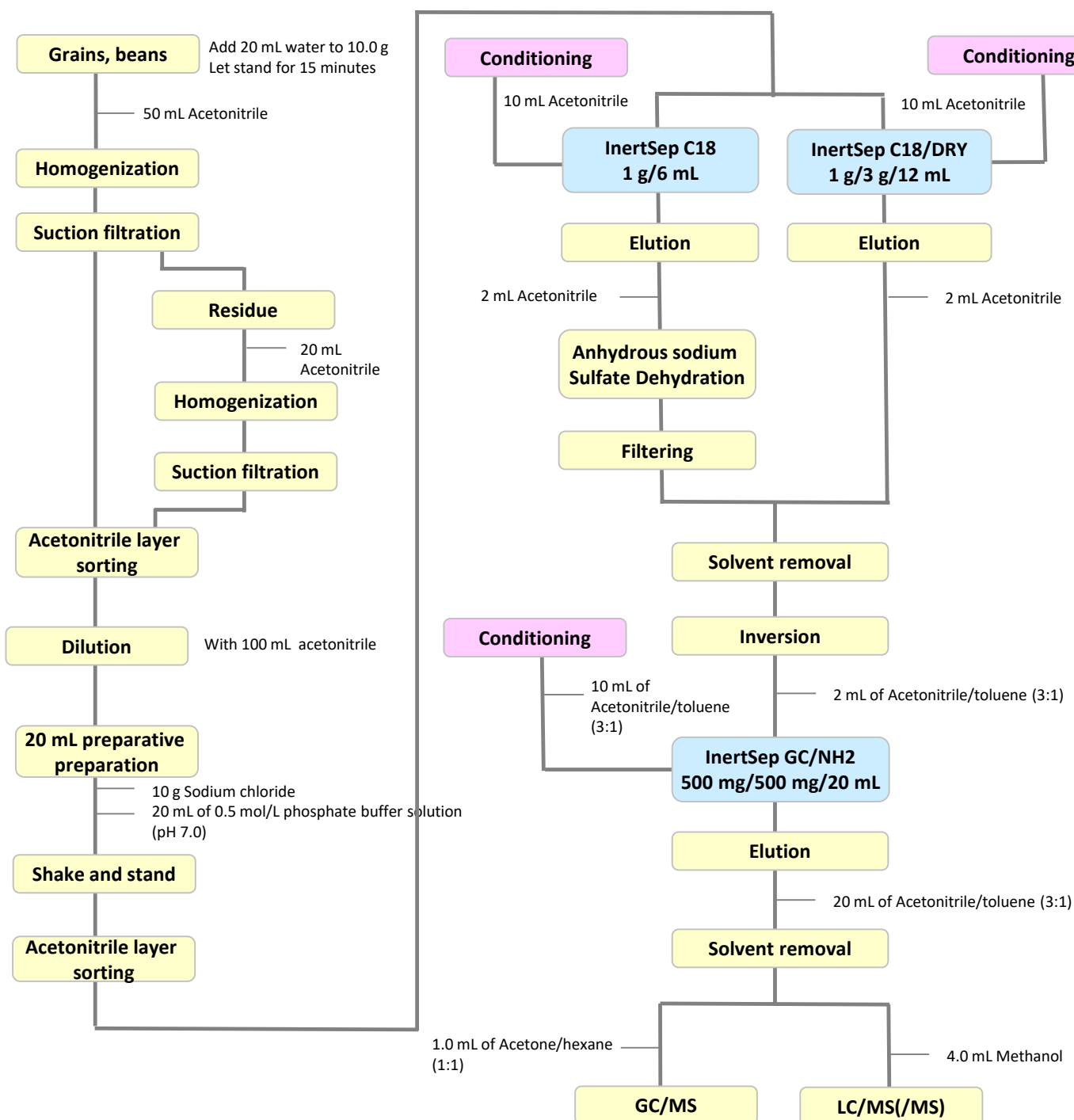


The Food Sanitation Law was amended in May 2003, and pesticides, etc. were regulated under a positive list system from May 2006. The introduction of this system has led to the use of several simultaneous multi-component testing methods to increase the efficiency of testing.

This test method introduces the pretreatment of crops for residual pesticide analysis by GC/MS and LC/MS, which were included at the same time in the notification of the positive list system.

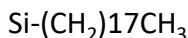
1. Flow diagram of solid phase pretreatment



Reference: from the concurrent test method of MHLW notification

2. Products for solid-phase extraction

[InertSep C18]



Mean particle size : 60 μm
 Carbon : 19 %
 End-capping : Yes
 Surface Area : 450 m^2/g
 Pore volume : 0.7 mL/g
 Pore size : 60 \AA
 PH range of use : 2 - 8

InertSep C18 is a minicolumn with non-polar interaction in which octadecyl groups are chemically bonded to silica gel. Residual silanol groups prevents cation exchange interactions, resulting in reduced adsorption of basic compounds. It is suitable as a clean-up solid phase for removing lipids in the concurrent test method for residual pesticides.

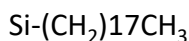
Syringe barrel type cartridge

Product name	Column size	Qty.	Cat.No.
InertSep C18	1 g / 6 mL	30 bottles	5010-61005
	1 g / 12 mL	20 bottles	5010-61015
	1 g / 20 mL	20 bottles	5010-61014

[InertSep C18/DRY]

InertSep C18 DRY is a clean-up cartridge with two layers: delipidating C18 and dehydrating DRY. It is used for pretreatment of residual agricultural chemicals prior to analysis.

InertSep C18



Mean particle size : 60 μm
 Carbon : 19 %
 End-capping : Highly End-capping
 Surface Area : 450 m^2/g
 Pore volume : 0.7 mL/g
 Pore size : 60 \AA
 PH range of use : 2 - 8

InertSep DRY



Syringe barrel type cartridge

Product name	Column size	Qty.	Cat.No.
InertSep C18/DRY	1 g / 3 g / 12 mL	20 bottles	5010-68133

[InertSep GC/NH₂]

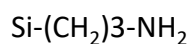
Two layers of decolorizing GC and clean-up solid-phase NH₂ and PSA providing purification that is not achievable using the GC phase alone.

InertSep GC



Maternal : Graphite Carbon
 Mean particle size : 120 - 400 mesh
 Surface Area : 85 m^2/g
 Pore capacity : 1.0 mL/g
 Pore size : 450 \AA

InertSep NH₂



Mean particle size : 60 μm
 Carbon : 10 %
 Surface Area : 450 m^2/g
 Pore volume : 0.7 mL/g
 Pore size : 60 \AA
 Ion exchange capacity : 0.9 meq/g
 PH range : 2 - 8

Syringe barrel type cartridge

Product name	Column size	Qty.	Cat.No.
InertSep GC/NH ₂	500 mg / 500 mg / 6 mL	30 bottles	5010-68022
	500 mg / 500 mg / 20 mL	20 bottles	5010-68024
	1 g / 1 g / 20 mL	20 bottles	5010-68025

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GL Sciences, Inc. Japan

22-1 Nishishinjuku 6-Chome
 Shinjuku-ku, Tokyo,
 163-1130, Japan
 Phone: +81-3-5323-6620
 Fax: +81-3-5323-6621
 Email: world@glsc.co.jp
 Web: www.glsciences.com

GL Sciences B.V.

De Sleutel 9
 5652 AS Eindhoven
 The Netherlands
 Phone: +31 (0)40 254 95 31
 Email: info@glsciences.eu
 Web: www.glsciences.eu

GL Sciences (ShangHai) Ltd.

Tower B, Room 2003,
 Far East International Plaza,
 NO,317 Xianxia Road,
 Changning District.
 Shanghai, China P.C. 200032
 Phone: +86 (0)21-6278-2272
 Email: contact@glsciences.com.cn
 Web: www.glsciences.com.cn

GL Sciences, Inc. USA

4733 Torrance Blvd. Suite 255
 Torrance, CA 90503
 Phone: 310-265-4424
 Fax: 310-265-4425
 Email: info@glsciencesinc.com
 Web: www.glsciencesinc.com

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