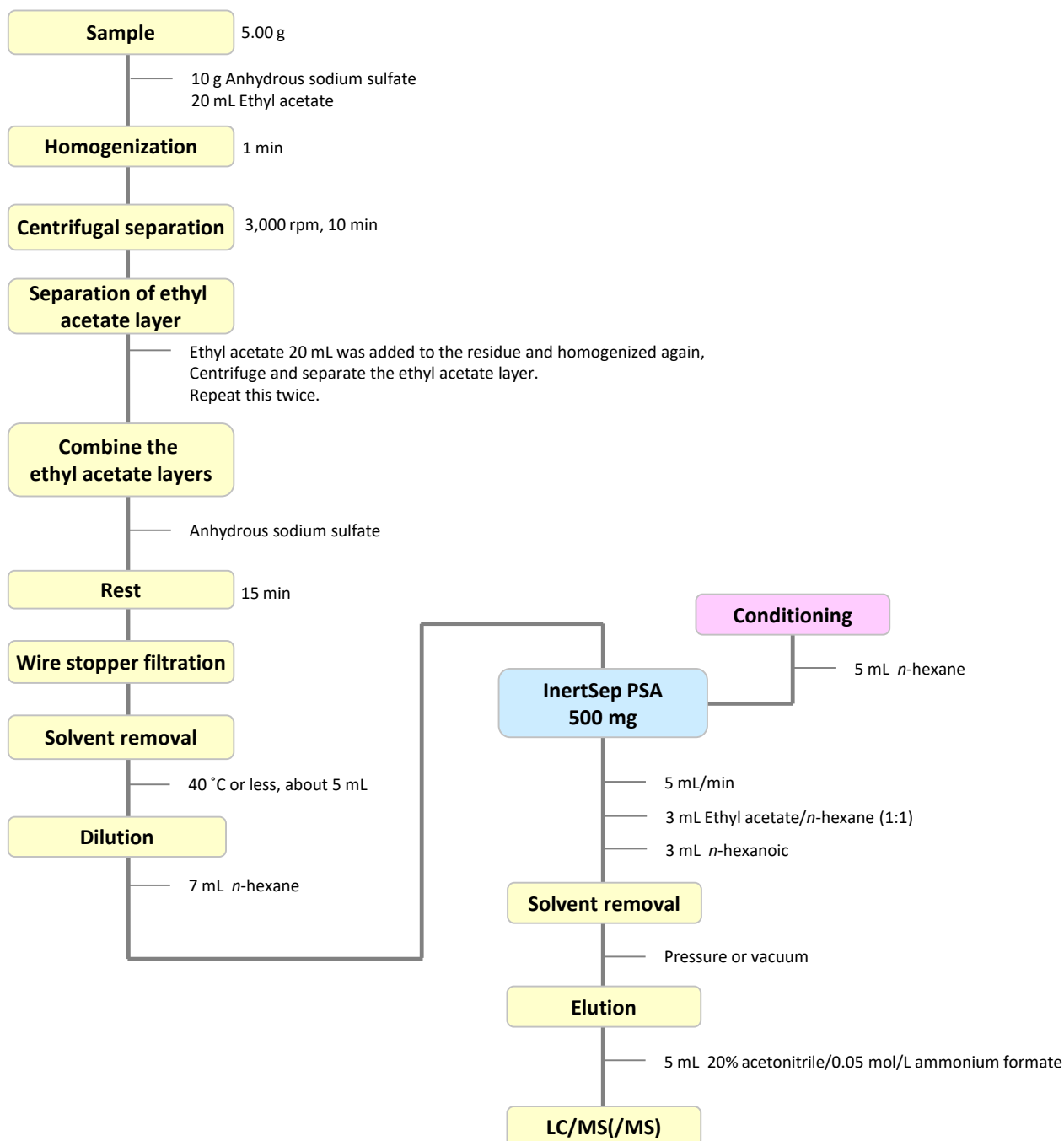


Sulfa drugs have antimicrobial activity and are used as veterinary drugs for the prevention and treatment of infectious diseases in livestock and fishery products. The Law for Ensuring the Safety of Feed and Improving the Quality of Feedstuffs stipulates standards for use, but the transfer of synthetic antibacterial agents to livestock and fishery products and their persistence have become recognized. The Food Sanitation Law was amended, and a positive list system was introduced May 29, 2006 to set limits for sulfa residues in foods.

The flow diagram below describes the pretreatment of livestock and fishery products prior to analysis by LC/MS (/MS).

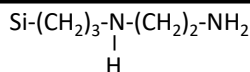
1. Flow diagram of solid phase pretreatment



Reference: From the Individual Test Method of MHLW Notification

2. Products for solid-phase extraction

[InertSep PSA]



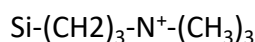
Mean particle size : 65 µm
Carbon : 11.5 %
Surface Area : 450 m²/g
Pore volume : 0.7 mL/g
Pore size : 60 Å
Ion exchange capacity : 1.5 meq/g
PKa : (10.1, 10.9)
PH range of use : 2 - 8

InertSep PSA is a solid phase in which an ethylenediamine N propyl group is attached to silica gel. As a primary interaction, it has an anion exchange action, and as a secondary interaction it has a weak non-polar interaction.

Syringe barrel type cartridge

| Product name | Column size | Qty. | Cat.No. |
|--------------|----------------|------------|------------|
| InertSep PSA | 500 mg / 6 mL | 30 bottles | 5010-61624 |
| | 500 mg / 20 mL | 20 bottles | 5010-61629 |

[InertSep SAX/PSA]



Mean particle size : 45 µm
Carbon : 10 %
Surface Area : 450 m²/g
Pore volume : 0.7 mL/g
Pore size : 60 Å
Ion exchange capacity : 0.7 meq/g
PKa : (-)
PH range of use : 2 - 8
Remarks : OH - ion pair

InertSep SAX PSA is a two-layer cartridge for SAX and PSA.

InertSep SAX is a solid phase in which a trimethylaminopropyl group is attached to silica gel, and InertSep PSA is a solid phase in which an ethylenediamine N propyl group is attached to silica gel. It is suitable for sample clean-up for residual pesticide analysis, etc. by making it into two layers.

| Product name | Column size | Qty. | Cat.No. |
|------------------|-------------------------|------------|------------|
| InertSep SAX/PSA | 500 mg / 500 mg / 6 mL | 30 bottles | 5010-68101 |
| | 500 mg / 500 mg / 20 mL | 20 bottles | 5010-68104 |

[Accessories for Solid-Phase Extraction Cartridge Connections]



Cartridge connection adapter

Cartridge adapter used to connect syringe barrel cartridges and LSC cartridges.

| Product name | Specification | Qty. | Cat.No. |
|--|-------------------------|------|------------|
| Solid Phase Extraction Cartridge Connection Adapter (PP) | For 1,3,6 mL reservoirs | 12 | 5010-60000 |
| | For 12,20 mL reservoirs | 12 | 5010-60001 |

Empty reservoir

Used when the sample volume is greater than the cartridge capacity.

| Product name | Specification | Qty. | Cat.No. |
|----------------------------------|---------------|------------|------------|
| Empty reservoir (PP) No frits | 6 mL | 30 bottles | 5010-60102 |
| | 12 mL | 20 bottles | 5010-60103 |
| | 20 mL | 20 bottles | 5010-60104 |

GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

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