

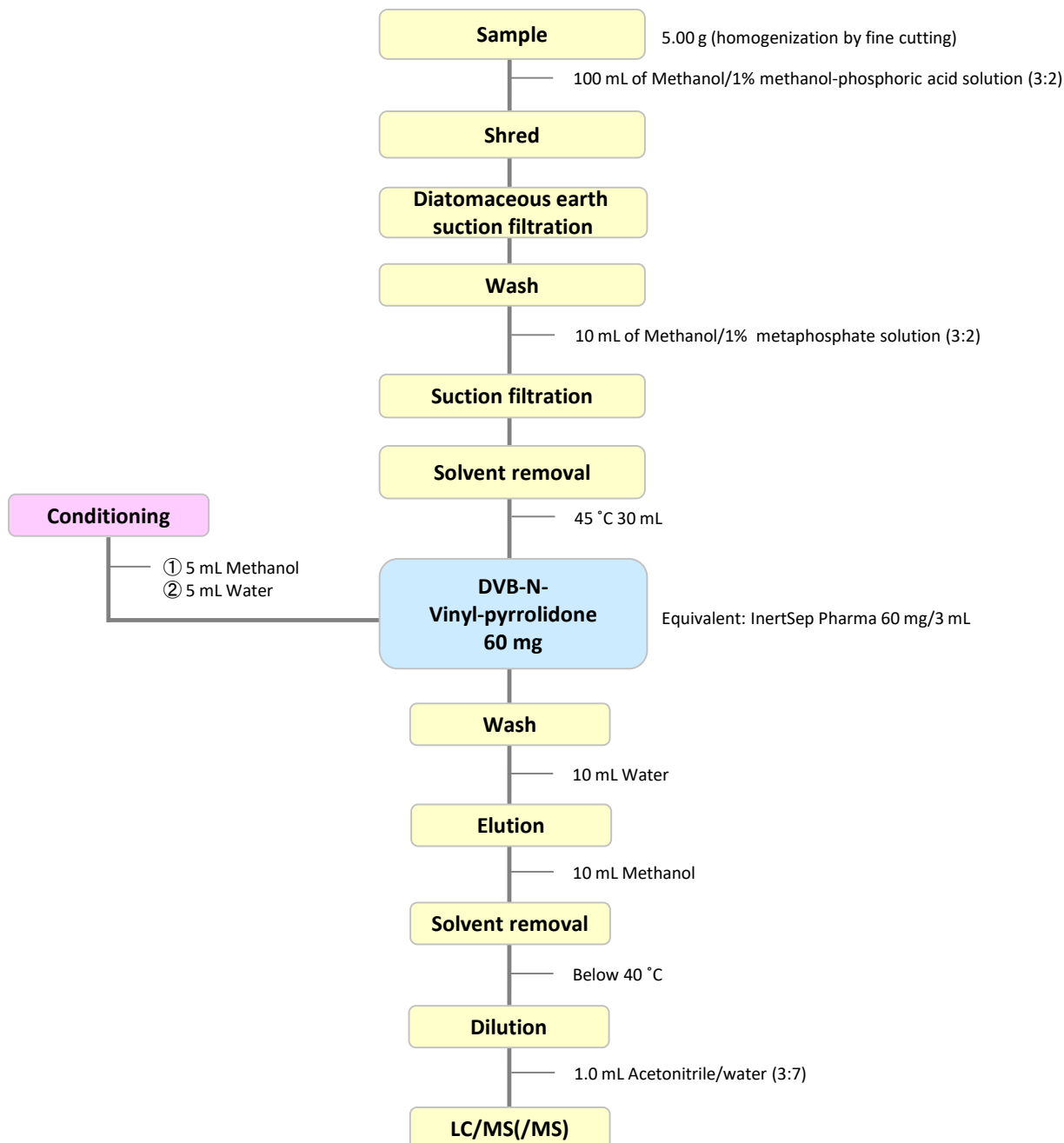
Chloramphenicol

(Foods other than honey and royal jelly)

Chloramphenicol is an antibiotic of bacterial origin. Antibiotics that are effective against a wide range of microorganisms are used as veterinary drugs. Typical use includes prevention of bacteria that invade the larvae of honey bees and to maintain freshness during fishing. However, because of the adverse effects on the human body, there is no approval of veterinary drugs for human consumption, with the Food Sanitation Law stipulating that it must be "undetectable" in foods.

In this application note, the sample was treated according to the standard test method. It was first homogenized in a solvent of methanol with 1% metaphosphate solution. This mixture was then suction filtered, and the solvent removed and extracted using a reversed-phase polymer solid phase.

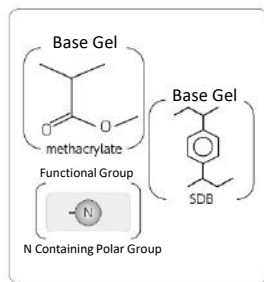
•1. Flow diagram of solid phase pretreatment



Reference: Based on the test method (announcement test method) stipulated in the standards for food, additives, etc. (Notification No. 370 of the Ministry of Health and Welfare, 1959)

2. Products for solid-phase extraction

[InertSep Pharma / InertSep Pharma FF]



InertSep Pharma / Pharma FF

Mean particle size : 30 μm / 60 μm (FF)
 Surface Area : 600 m^2/g
 Pore volume : 1.1 mL/g
 Pore size : 40 \AA
 PH range of use : 1 - 14

InertSep Pharma is a complex polymeric solid phase of N-containing methacrylate and styrene divinylbenzene. This is a reversed-phase polymer solid phase dedicated to pharmaceutical analysis developed for simultaneous screening of pharmaceutical compounds in biological samples. Because of its high-flow characteristics, Pharma FF is suitable for samples with poor permeability.

Syringe barrel type cartridge

Product name	Column size	Quantity	Cat.No.
InertSep Pharma	60 mg/3 mL	100 bottles	5010-27101
	200 mg/6 mL	30 bottles	5010-27103
	500 mg/6 mL	30 bottles	5010-27104

Syringe barrel type cartridge

Product name	Column size	Qty.	Cat.No.
InertSep Pharma FF	60 mg/3 mL	100 bottles	5010-27111
	200 mg/6 mL	30 bottles	5010-27113
	500 mg/6 mL	30 bottles	5010-27114

[Accessories for Solid-Phase Extraction Cartridge Connections]



Connecting adapter



Cartridge connection adapter

Cartridge adapter used to connect syringe barrel and LSC cartridges.

Product name	Specification	Qty.	Cat.No.
Solid-phase extraction cartridge Connecting adapter (PP)	For 1,3,6 mL reservoirs	12	5010-60000

Empty reservoir

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

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

[Diatomaceous earth for filtration]

Diatomaceous earth for filtration is made of porous natural materials.

GL Sciences' unique cleaning method reduces the impact of hydrocarbons and metal-containing blanks in diatomaceous earth.

Product name	Qty.	Cat.No.
Diatomaceous earth for filtration	1 kg	5010-69500

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