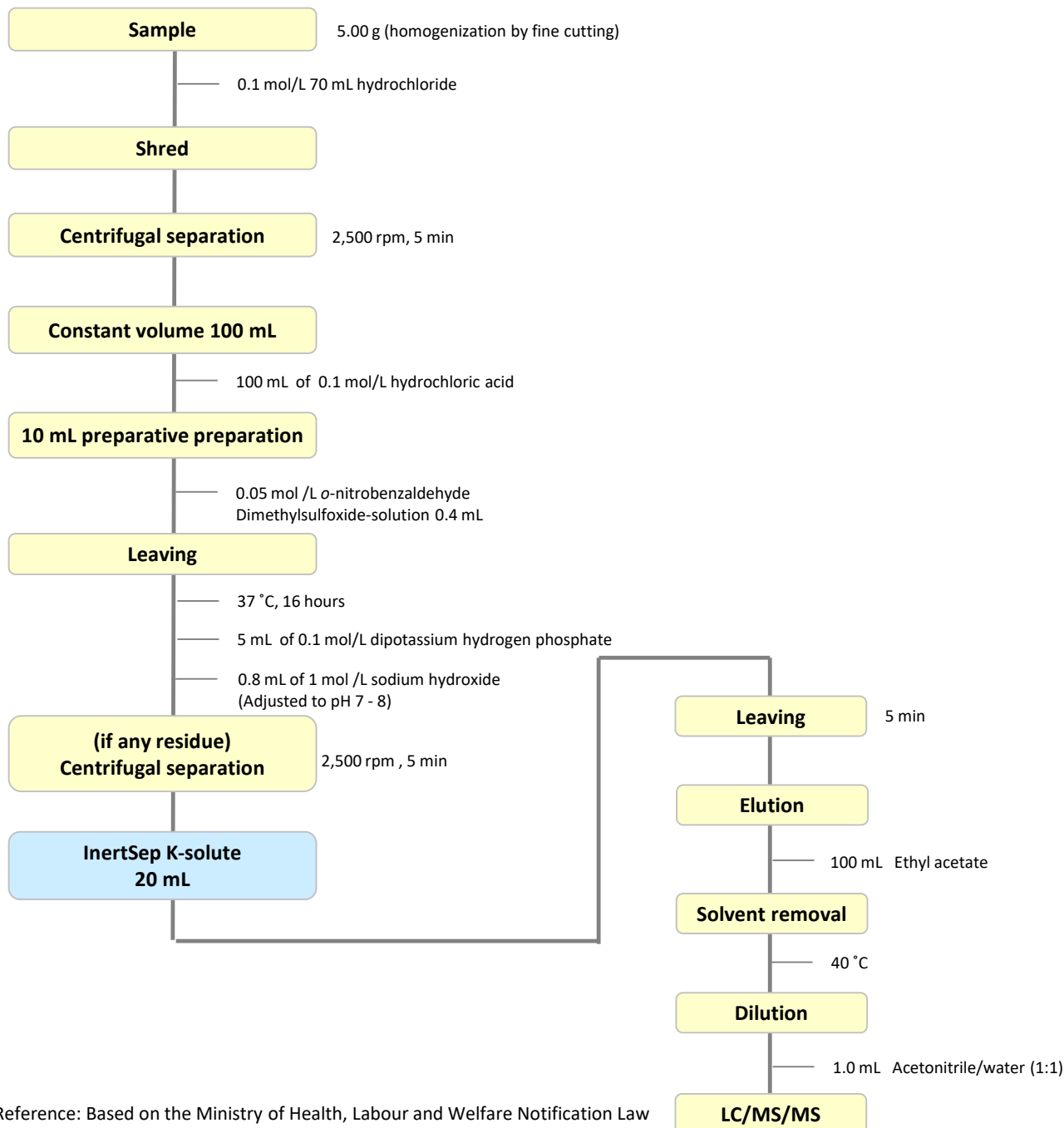


Nitrofurans (nitrofurazone, nitrofurantoin, furazolidone and furatadone) are synthetic antibacterial agents used as veterinary drugs for the treatment of bacterial infections. However, because of their carcinogenicity and genotoxicity, its use in animals used as food is prohibited in many countries including Japan and overseas. This flow diagram below shows sample pretreatment methods using diatomaceous earth columns.

1. Flow diagram of solid phase pretreatment



Reference: Based on the Ministry of Health, Labour and Welfare Notification Law

2. Products for solid-phase extraction

[InertSep K-solute]

InertSep K-solute (diatomite) is a solid-phase extraction column packed with diatomaceous earth, it is best suited for samples that form emulsions during liquid-liquid extraction. It is easy to handle and uses a dedicated manifold to improve the extraction efficiency.

Reservoir size

Reservoir volume	Outer diameter	Length
12 mL	18 mm	90 mm
20 mL	23 mm	99 mm
60 mL	30 mm	155 mm
150 mL	41 mm	172 mm

Syringe barrel type cartridge

Product name	Sample Volume	Qty.	Cat.No.
InertSep K-solute <div>Recommended for this application</div>	2 mL	100 bottles	5010-68125
	5 mL	100 bottles	5010-68127
	10 mL	25 bottles	5010-68208
		100 bottles	5010-68218
	20 mL	25 bottles	5010-68209
		100 bottles	5010-68219
	50 mL	25 bottles	5010-68210
		50 bottles	5010-68220

[Solid-phase extraction Free fall rack]

Racks used to extract solid phase by free fall such as InertSep K-solute. Adjusting the height of the stand allows the user to select and set the size and position of the receiver.



Product name		Qty.	Cat.No.
GL-SPE Natural Drop Rack Basic Unit		Formula 1	5010-50410
Free Fall Rack Receptor Stand	(Eggplant-type flask 50/100 mL specifications)	One unit	5010-50422
	(Eggplant-type flask 200/300 mL specifications)	One unit	5010-50423
	(GL-SPE Concentrator 20/ 30 mL Specifications)	One unit	5010-50424
	(centrifuge tube 50 mL specifications)	One unit	5010-50425
20 mL rack	(30 mL Eggplant Flask Type)	One	5010-50400

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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