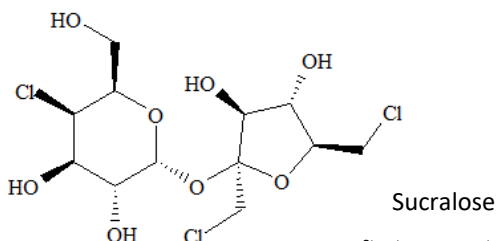


Analysis of Sucralose, a Synthetic Sweetener

Sucralose is a highly polar synthetic sweetener that is more highly retained on the InertSep PLS-2 solid phase cartridge used here compared with a typical C18 based solid-phase material. The solid phase material used in InertSep PLS-2 is based on styrene divinylbenzene (SDB).

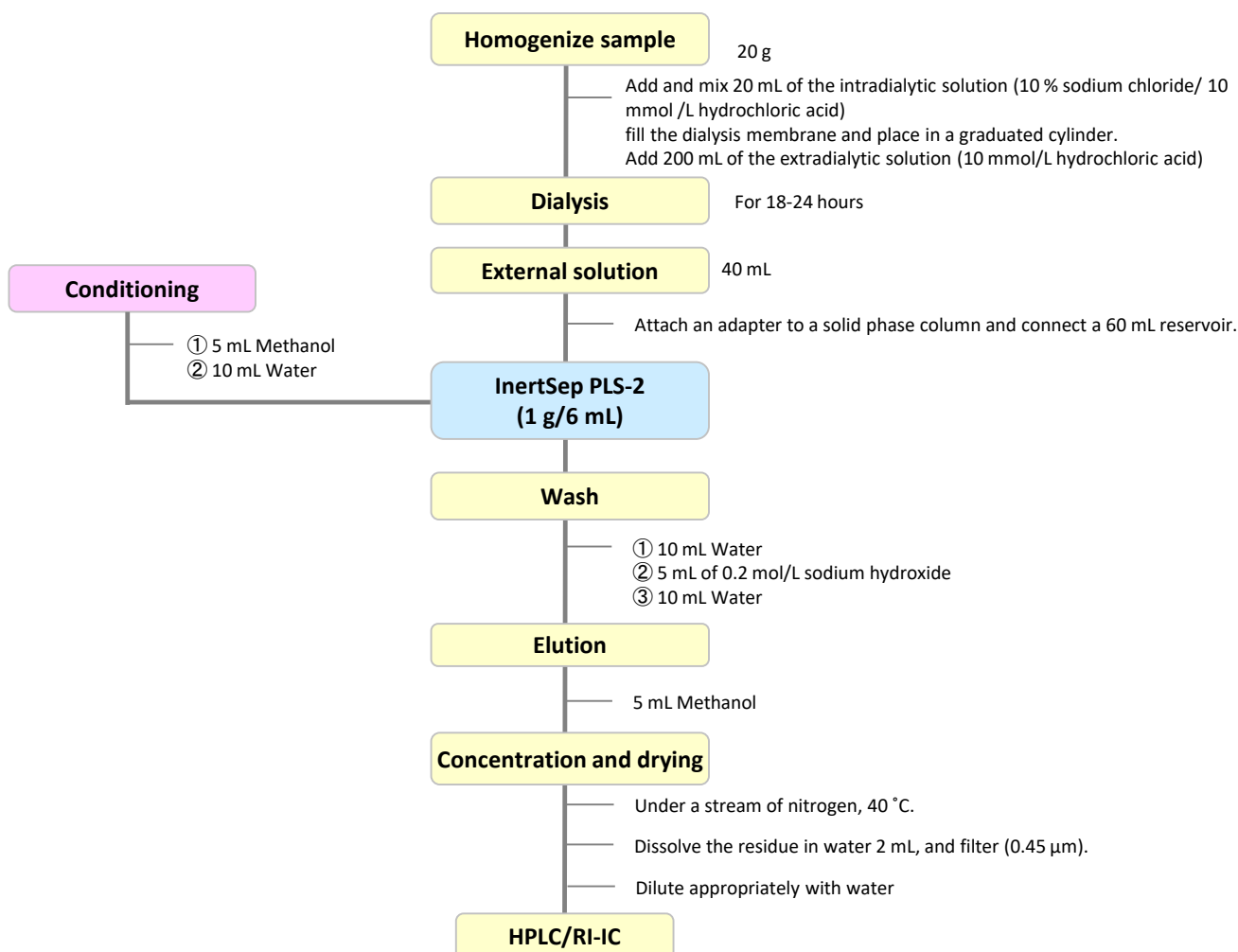
1. Flow diagram of solid phase pretreatment

[Structural formula of sucralose]



Structures are created using Chemistry 4-D Draw which is provided by ChemInnovation Software, Inc.

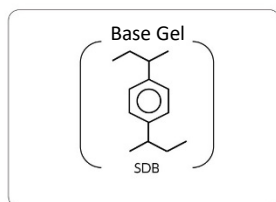
[Example of sucralose pretreatment]



NOTE) This is a method developed by GL Sciences based on literature information.
Source: Hygiene test methods and notes (2010)

2. Products for solid-phase extraction

[InertSep PLS-2]



Mean particle size : 60 μm
 Surface Area : 600 m^2/g
 Pore volume : 1.1 mL/g
 Pore size : 70 $\text{\AA}$
 PH range of use : 1 - 14

InertSep PLS 2 is a cartridge filled with a styrene divinylbenzene polymer gel (SDB) that behaves in a reversed-phase mode similar to C18. It has a greater retention capacity than C18 and has excellent stability in a wide pH range.

Product name	Column size	Qty.	Cat.No.
InertSep PLS-2 Recommendation for this study	270 mg/6 mL	50 bottles	5010-25020
	500 mg/6 mL	30 bottles	5010-25025
	1 g/6 mL	20 bottles	5010-25030

[Empty reservoir]



Product name	Volume	Qty.	Cat.No.
Empty reservoir (PP) No frits Recommendation for this study	1 mL	50 bottles	5010-60100
	3 mL	50 bottles	5010-60101
	6 mL	30 bottles	5010-60102
	12 mL	20 bottles	5010-60103
	20 mL	20 bottles	5010-60104
	60 mL	10 bottles	5010-60105
	150 mL	10 bottles	5010-60106

[Disposable syringe filter GL chromatodisk]



GL Chromatodiscs have polypropylene housing and filter, and are disposable.

ZABLE SYRINGE FILTERS
 WATER (Type A)
 NON-WATER (Type N)
 WATER/NON-WATER (AI type)
 For ion chromatography (P type)

Water system <Type A>

Inlet Connection : Luer-lock
 Shape :
 Exit connection : Luer slip
 geometry :
 Filter : Olefinic polymer
 Possible sterilization : EOG (Ethylene oxide gas)
 process

Model	Filter diameter	Pore Size (μm)	Qty.	Cat.No.
13A	13 mm	0.2 μm	100	5040-28501
		Recommendation for this study 0.45 μm	100	5040-28511
25A	25 mm	0.2 μm	100	5040-28502
		0.45 μm	100	5040-28512
13S	13 mm	0.2 μm	50	5040-28513

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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