

Flow Cocktail General Purpose

ProFlow G General Purpose

A totally biodegradable, general purpose flow cocktail for use with dilute eluents and organic/aqueous gradients.

Catalogue Number
PFG1 - box of 2 x 5 Liters

Flow Cocktail Phosphate Gradients

ProFlow P Flow Cocktail for use with Phosphate Gradients

A totally biodegradable, specialist flow cocktail for use with 0-2M ammonium phosphate gradients.

Catalogue Number
PFP1 - box of 2 x 5 Liters



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ProSafe & ProFlow Cocktails

- the next generation

A unique range of LSC cocktails that do not contain nonylphenol or nonyl phenol ethoxylate (NPE's) and are therefore suitable for **DRAIN DISPOSAL**

EC Directive 2003/53/EEC puts in place controls to restrict the marketing and use of nonylphenol and nonyl phenol ethoxylate.

All current LSC cocktails contain NPEs and therefore, drain disposal of cocktail and cocktail waste is not an option, irrespective of any certification regarding biodegradability.
Is incineration the ONLY currently acceptable method of disposal?

INCINERATION

Carbon Footprint

10 Liters of cocktail + 1,000 20mL Vials burn to ~51.3Kg CO₂ or 26,160 Liters of CO₂ at STP.

To envisage this amount of CO₂ consider a normal petrol tanker has a capacity of 25,000 Liters.



Or, a 250 mile return trip by aeroplane for one person, uses a similar Carbon Footprint.



Cost

The cost of incinerating is high when you factor in:

- Storage of Waste
- Transportation of Waste
- Licensed Incinerators' charges.

Another Problem

Certain isotopes cannot be incinerated because they pose a greater threat in the gaseous phase than in the liquid phase.

BIODEGRADATION

Carbon Footprint

10 Liters of ProSafe Cocktail biodegrades to a biomass. A very small amount of CO₂ is produced during the process as a by-product of biodegradation.

1,000 20mL Vials can then be recycled.

Meridian Biotechnologies Ltd has recently formulated a range of cocktails that do not contain any NPEs or APEs and only contain 100% biodegradable constituents.

Biodegradation



Cost

Negligible

High Performance Cocktail

ProSafe

Catalogue Number
PS1 - box of 2 x 5 Liters

A totally biodegradable, high performance cocktail that will accept 2 to 3mL of many dilute samples in 10mL of cocktail.

High Capacity Cocktail

ProSafe HC

Catalogue Number
PSHC1 - box of 2 x 5 Liters

A totally biodegradable, high capacity cocktail that will accept 10mL of many dilute samples and lesser amounts of more concentrated samples in 10mL of cocktail.

Cocktail for Tissue Solubilisers

ProSafe TS

Catalogue Number
PSTS1 - box of 2 x 5 Liters

A totally biodegradable, specialist cocktail for use with solubilised (digested) samples originating from both organic and aqueous solubilisers.

Cocktail for Filters

ProSafe FC

Catalogue Number
PSFC1 - box of 2 x 5 Liters

A totally biodegradable, high efficiency cocktail for use with wet or dry filters and lower volume 1-2mL aqueous samples.