

Environmentally Friendly Scintillation Fluid

If you use flammable scintillation cocktail – you should switch!

Many scintillation cocktails are hazardous waste because they are flammable (flash point less than 140°F) or contain EPA-listed solvents such as toluene or xylene.

“Environmentally friendly” scintillation cocktails are those that:

- Have a flash point greater than 140°F (60°C).
- Contain solvents such as linear alkylbenzenes (LAB), phenylxylylethane (PXE) or diisopropyl naphthalene (DIPN).

The warehouse has recently started stocking environmentally friendly Ecoscint A (SPWH-68101028) for aqueous samples, and Ecoscint O (SPWH-68101034) for non-aqueous samples. Most vendors also offer environmentally friendly scintillation fluids. A partial list of non-hazardous environmentally friendly scintillation cocktails is below.

Many vendors will send samples and provide information for your evaluation.

Cocktail Name

Supplier

Ecoscint A	National Diagnostics
Ecoscint	National Diagnostics
Ecoscint H	National Diagnostics
Ecoscint O	National Diagnostics
Betamax ES****	ICN Biomedicals
Cytoscint ES****	ICN Biomedicals
Ecolite	ICN Biomedicals
Ecolume	ICN Biomedicals
Bio-Safe II	Research Products
Bio-Safe NA	Research Products
Econosafe	Research Products
Mono Flow 5	National Diagnostics
Optifluor	Packard
Microscint 20	Packard
Microscint PS	Packard
Ultima Gold	Packard
OrganicSolv 3	Anorac Scientific
Envirosafe	Anorac Scientific
Betaplate Scint	Pharmacia LKB
Ready Safe	Beckman Instruments

EHS will continue to handle disposal for all waste scintillation cocktails. **DO NOT** pour any liquid scintillation fluids into laboratory drains.

Please contact EHS on x5718 or x1384 if you have any questions concerning liquid scintillation cocktails.

****The “Environmentally friendly” products are Betamax ES, product number 880020, and Cytoscint ES, product number 882453. ****