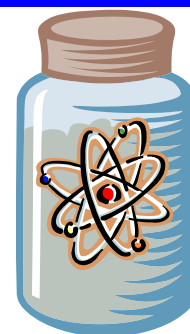


## Liquid Scintillation Fluid Approved by Radiation Safety Service



The table below lists those liquid scintillation fluids (cocktails) which are acceptable for use at the University of Michigan.

Cocktail Name	Manufacturer
Ready Safe	Beckman
Scintisafe 30%	Fisher Scientific
Scintisafe Plus 50%	Fisher Scientific
Scintisafe Econo F	Fisher Scientific
Scintisafe Econo 1	Fisher Scientific
Scintisafe Econo 2	Fisher Scientific
Scintisafe Gel	Fisher Scientific
Scintiverse BD	Fisher Scientific
BCS	GE Healthcare (Amersham)
In-Flow 2:1	IN/US Systems, Inc.
BetaMax ES	MP Biomedicals (ICN)
CytoScint ES	MP Biomedicals (ICN)
Ecolite (+)	MP Biomedicals (ICN)
EcoLume	MP Biomedicals (ICN)
UniverSol ES	MP Biomedicals (ICN)
Ecoscint H	National Diagnostics
Ecoscint O	National Diagnostics

Cocktail Name	Manufacturer
Formula 989	Perkin Elmer (Packard)
MicroScint O	Perkin Elmer (Packard)
MicroScint 20	Perkin Elmer (Packard)
Opti-fluor	Perkin Elmer (Packard)
Opti-fluor O	Perkin Elmer (Packard)
Ultima Gold	Perkin Elmer (Packard)
Ultima Gold AB	Perkin Elmer (Packard)
Ultima Gold F	Perkin Elmer (Packard)
Ultima Gold MV	Perkin Elmer (Packard)
Ultima Gold XR	Perkin Elmer (Packard)
Ultima Flo AF	Perkin Elmer (Packard)
Ultima Flo AP	Perkin Elmer (Packard)
Ultima Flo M	Perkin Elmer (Packard)
Biosafe II	Research Products, Inc.
Bio-Safe NA	Research Products, Inc.
Econo-Safe	Research Products, Inc.
Beta Plate Scint	Wallac
OptiPhase HiSafe 2	Wallac

Although these liquid scintillation fluids are considered to be "biodegradable" and "environmentally safe", please remember that they still present a disposal concern. Scintillation fluid wastes should only be disposed of through OSEH Hazardous Material Management (HMM). Call HMM at 763-4568 to request a waste collection or if questions arise.

Note that manufacturers may make a family of scintillation cocktails with very similar names, but very different properties, making one an approved cocktail and its cousin an unapproved cocktail. Be very careful when ordering and using scintillation cocktails. Ensure that the proper scintillation cocktail is recorded on your LLRW Waste manifest also.

If you using, or plan to use, a scintillation cocktail that is not on the approved list please contact RSS (764-6200) or HMM (763-4568) immediately. Temporary authorization may be granted to use a non approved scintillation cocktail. Additional handling and processing steps are required of the laboratory to ensure proper disposal of non approved scintillation cocktails.