

LIQUID SCINTILLATION COUNTING

Consumables

Cocktails&Vials

*Cocktails for
measuring Radon*

*Oxidizer/Pyrolyzer
supplies*

Solubilizers



MERIDIAN BIOTECHNOLOGIES Ltd
Vials & Cocktails for Liquid Scintillation

GoldStar Cocktails

- ◆ classical high flashpoint DIN based
- ◆ biodegradable
- ◆ designed for high sample capacity and counting efficiency
- ◆ contain NPEs and are thus NOT drain disposable

Gold Star

- ◆ high sample capacity
- ◆ high counting efficiency cocktail
- ◆ for aqueous and organic samples

GoldStar Quanta

high efficiency version of GoldStar

Gold Flow

- ◆ non-gelling
- ◆ low-viscosity
- ◆ high counting efficiency cocktail for Methanol / Water and Acetonitrile / Water gradients

GoldStar LT2 (Low Tritium @ Low Temperature)

- ◆ high performance cocktail
- ◆ accepts up to 12mL water in 10mL of cocktail
- ◆ designed for high water and urine capacity at various temperatures, including low temperatures, and high tritium counting efficiency
- ◆ can be used for low level tritium measurement

StarGel

- ◆ classical high flashpoint DIN based
- ◆ biodegradable LSC cocktail
- ◆ specifically designed for suspension counting where the particulate matter is held in the gel phase

Vials

Glass Vials are manufactured with low background quartz materials with minimal detectable impurities

Plastic Vials are manufactured from virgin High Density Linear Polyethylene (HDLP) ensuring uniformity of structure. Counting backgrounds are low (5-7 cpm in a 0-18.6 keV window) giving excellent performance





ProSafe⁺ Cocktails

- ◆ high flashpoint,
- ◆ 100% biodegradable
- ◆ high performance
- ◆ designed to be in accordance with the EC Directive 2003/53/EEC do not contain any Nonyl Phenol Ethoxylates (NPEs) or other Alkyl Phenol Ethoxylates (APEs)

ProSafe⁺ FC for filters
ProSafe HC⁺ high capacity
ProSafe⁺ standard counting
ProSafe TS tissue solubilizers
ProFlow G⁺ - General Purpose - Flow Cocktail
ProFlow P⁺ - Phosphate Gradients- Flow Cocktail

Rn Cocktails

- ◆ water immiscible
- ◆ designed for the measurement of Radon in water after its extraction from the sample into the cocktail

RadonCount - Pseudocumene based cocktail with a flashpoint of approx. 49°C.
ProScint Rn - Safer version of RadonCount based on a combination of mineral oil and pseudocumene with a flashpoint of approx. 65°C.

Oxidiser and Pyrolyser supplies

CarbonTrap

High capacity carbon dioxide absorber (CO₂ capacity: 4,8 mM.ML⁻¹) used to trap radioactive carbon dioxide produced in sample oxidisers and pyrolysers

CarbonCount

Specific cocktail for the counting of radioactive carbon dioxide captured in CarbonTrap

Solubilizers

GoldiSol

- ◆ IPA based
- ◆ Toluene and Methanol free
- ◆ non-toxic

AquiGest

Aqueous based solubilizer (not classified as flammable or toxic)



COCKTAIL EQUIVALENTS CHART:

Meridian	PerkinElmer
ProSafe ⁺	Ultima Gold / Hi-Safe 2
ProSafe HC ⁺ / Gold Star	Ultima Gold XR / Hi-Safe 3
ProSafe FC ⁺	Ultima Gold MV / Supermix / Filter-Count
ProSafe TS ⁺	Hionic Fluor
ProSafe G ⁺ /Gold Flow	Ultima-Flow M / Opti-Flow Safe I
ProSafe P ⁺	Ultima-Flo AP / Ultima-Flo AF
RadonCount	Insta-Fluor Plus / OptiScint Safe
ProScint Rn	Ultima Gold F / Scint Hi-Safe / High Efficiency Mineral Oil Scintillator
StarGel	InstaGel
Gold Star LT2	Ultima Gold AB / Ultima Gold LLT / Tri-Safe
Gold Star Quanta	Ultima Gold AB / Ultima Gold LLT / Tri-Safe
CarbonCount	Permafluor E+ / Optisorb-S
CarbonTrap	Carbosorb E / Optisorb-1
GoldiSol	Soluene-350 / Optisolve
AquiGest	SOLVABLE
Hyamine hydroxide	Hyamine hydroxide



For more detailed information, contact us or visit our website:
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