



# • SafeScint 1:1 Liquid Scintillation Cocktail - High Sample Acceptance Capacity

- High sample acceptance capacity
- High efficiency
- Low toxicity
- Nearly odourless
- Biodegradable
- No loss through polyethylene vials

Due to its composition, SafeScint 1:1 offers high sample acceptance capacity as well as high counting efficiency. Sample uptake is down to 1ml of sample in 1ml of cocktail resulting in reduced procurement and disposal costs with no compromise on performance.



**FlowLogic Flow Sample Hold**  
ml Sample per 10ml of SafeScint 1:1 (25°C)

	0	2.0	4.0	6.0	8.0	10.0
Ammonium Acetate 15 mM	10 ml					
Ammonium Acetate 0.25 M	10 ml					
Ammonium Sulfate 0.1 M	10 ml					
Tris/HCl 0.05 M pH = 7	+10 ml					
Tris/HCl 0.5 M pH = 7	10 ml					
Hydrochloric Acid 0.1 N	6 ml					
Acetonitrile: 1% HOAc 75:25%	7 ml					
Acetonitrile: 1% HOAc 50:50%	5 ml					
Acetonitrile: 1% HOAc 25:75%	5 ml					
Acetonitrile: 1% HOAc 0:100%	10 ml					
Acetonitrile: 0.1% TFA 75:25%	7.5 ml					
Acetonitrile: 0.1% TFA 50:50%	5.5 ml					
Acetonitrile: 0.1% TFA 25:75%	5.5 ml					
Acetonitrile: 0.1% TFA 0:100%	+10 ml					
Acetonitrile: 0.1% TFA 75:25%	2.5-3 ml					
Acetonitrile: 0.1% TFA 50:50%	2.5-3 ml					
Acetonitrile: 0.1% TFA 25:75%	3.5 ml					
Acetonitrile: 0.1% TFA 0:100%	8 ml					
Methylene Chloride	All Proportions					
Acetonitrile	All Proportions					
Ammonium Fomate 1 M	4 ml					
Washing Buffer 1X PBS	10 ml					
Sodium Hydroxide 0.1 N	8 ml					
Sodium Chloride 0.5 M	10 ml					
Sodium Chloride 1 M	5 ml					
Sucrose 40%						

## • Counting Efficiency

ml of sample/10ml of SafeScint 1:1	% <sup>3</sup> H Efficiency	% <sup>14</sup> C Efficiency
1.0	55 %	90 %
10.0	26 %	90 %

Order No.	Description	Qty
LABSC40001	SafeScint 1:1	8 Litres (2x4)

