

Ecoscint™ A



- High Efficiency with High Sample Holding
- Biodegradable, Reduced Toxicity Solvent

Ecoscint A displays exceptional sample holding capability while still delivering high efficiency. Ecoscint A will easily accommodate up to 40% sample while maintaining a single liquid phase. Furthermore, Ecoscint A has exceptional resistance to photoluminescence and chemiluminescence. Ecoscint A is readily biodegradable, with a mean DOC elimination of >70% at 10 days. The low odor and low toxicity of Ecoscint A make it perfect for bench-top work. It is not necessary to use or store Ecoscint A under a fume hood.

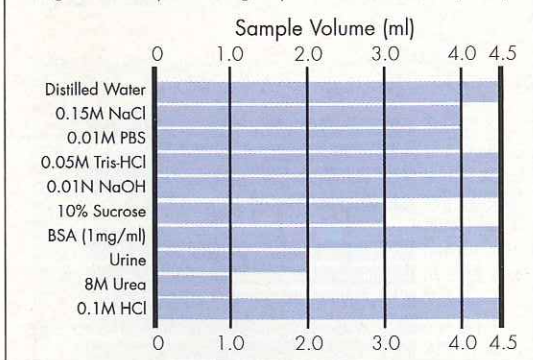
APPLICATIONS

Excellent for:
Agarose gels, aqueous samples, biological samples, environmental samples, glass fiber or paper filters, plasma, polyacrylamide gels, salt solutions, sucrose, solubilized tissues.

Useful for:
Acidic samples, alkaline samples, catecholamine assays, high salt solutions, tissue homogenates.

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Figure 1 - Sample Holding Capacities of Ecoscint A (10ml)



% Counting Efficiency (³H) of Typical Samples at Various Volumes (in 10ml Ecoscint A)

Sample	Sample Volume									
	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
Distilled Water	56.2	51.8	50.4	47.6	45.8	42.8	42.5	39.5	37.8	35.6
0.15M NaCl	56.2	51.4	49.9	47.7	46.8	42.5	42.1	40.3	39.5	—
0.01M PBS	56.2	51.6	49.6	47.7	45.0	43.6	42.0	40.5	38.1	—
0.05M Tris-HCl	56.2	52.0	50.3	48.6	45.1	43.4	42.7	40.8	39.8	37.7
0.01N NaOH	56.2	53.0	52.6	49.3	47.3	46.3	41.8	40.6	39.2	34.9
10% Sucrose	56.2	53.6	50.3	45.7	43.2	42.1	40.7	—	—	—
BSA (1mg/ml)	56.2	51.5	48.9	46.7	45.1	44.4	42.6	40.7	39.5	36.9
Urine	56.2	50.9	43.6	39.7	37.1	—	—	—	—	—
8M Urea	56.2	51.8	48.5	—	—	—	—	—	—	—
0.1M HCl	56.2	50.2	47.6	45.2	44.2	43.3	39.0	38.7	36.7	35.3

Product Name	Cat. No.	Size
Ecoscint A	IS-273	1 x 4 liter 4 x 4 liter 20 Liter

Ecoscint H



- Ultra High Efficiency Biodegradable Scintillation Fluid

Ecoscint H is the highest efficiency, low toxicity, biodegradable scintillation solution available. Ecoscint H is specifically designed to provide the maximum counting efficiency for aqueous sample volumes under 10% of the total liquid scintillation volume. Furthermore, Ecoscint H has exceptional resistance to photoluminescence and chemiluminescence, which is especially important when counting biological samples or acrylamide gel slices.

APPLICATIONS

Excellent for:
High sensitivity counting, low volume aqueous samples, filter paper, glass fiber filters.

Useful for:
Acidic samples, biological samples, environmental samples, inositol phosphates, plasma, polyacrylamide gels, salt solutions, serum, sucrose, urine, RIA supernatants.

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% Counting Efficiency (³H) of Typical Samples at Various Volumes (in 10ml Ecoscint H)

Sample	Sample Volume (ml)		
	0	0.5	1.0
Distilled Water	62.4	57.5	55.9
0.15M NaCl	62.4	57.1	55.4
0.01M PBS	62.4	57.3	55.1
0.05M Tris-HCl	62.4	57.7	55.8
0.01N NaOH	62.4	58.8	58.4
10% Sucrose	62.4	59.5	55.8
BSA (1mg/ml)	62.4	57.2	54.3
0.1M HCl	62.4	55.7	52.8

Product Name	Cat. No.	Size
Ecoscint H	IS-275	1 x 4 liter 4 x 4 liter 20 Liter