

Catalog Number S34857
Product Name SYTOX® Blue dead cell stain *for flow cytometry* *1000 assays* *1 mM solution in DMSO*
CAS Number / Name Trade Secret / Trade Secret
Molecular Weight ~1400
Appearance yellow solution
Lot Number 1890528

	LOT DATA	SPECIFICATION
ABSORPTION Optical Density ¹	0.60 at 431 nm	0.62 ± 0.06 at 430 ± 3 nm
Absorption ² Maximum Extinction	431 nm 65000 cm ⁻¹ M ⁻¹	430 ± 3 nm 62000 ± 5000 cm ⁻¹ M ⁻¹
Fluorescence ³ Emission Maximum	472 nm	470 ± 4 nm
HPLC Purity	98 % at 432 nm	≥ 95 % at 432 nm
NMR Result	meets specification	consistent with structure
MISCELLANEOUS INFORMATION Material Lot Number	1850933	n.a.

1. Buffer: 10 mM Tris, 1 mM EDTA, pH 8.0 (100x dilution).
2. Solvent: Buffer, 10 mM TRIS, 1 mM EDTA (pH 8).
3. Solvent: Buffer, 10 mM TRIS, 1 mM EDTA (pH 8). Method: Response to nucleic acid.



Rachel Smith, Quality Assurance Manager
18-May-2017

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.