

**Catalog Number** D1844  
**Product Name** dextran, fluorescein, 40,000 MW, anionic  
**CAS Number / Name** 60842-46-8 / Spiro(isobenzofuran-1(3H),9'-(9H)xanthene), dextran derivative  
**Appearance** orange solid  
**Lot Number** 1910380

Small variation in color is possible, but should not affect product performance.

	LOT DATA	SPECIFICATION
<b>ABSORPTION</b>		
Maximum	496 nm	495 ± 5 nm
Degree of Labeling <sup>1</sup>	5	4 – 6
<b>FLUORESCENCE</b>		
Emission Maximum	522 nm	520 ± 5 nm
Relative Quantum Yield <sup>2</sup>	0.6	≥ 0.3
<b>PURITY<sup>3</sup></b>		
TLC	meets specification	negligible or no free dye detected

1. Moles of dye per mole of dextran, determined using an  $\epsilon$  of  $68,000 \text{ cm}^{-1}\text{M}^{-1}$  at the absorption maximum.
2. Quantum yield determined relative to fluorescein at pH 8.0.
3. Solvent: 70% chloroform/25% methanol/5% acetic acid.



Rachel Smith, Quality Assurance Manager

26-Apr-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.