

# Alexa Fluor® Oligonucleotide Amine Labeling Kits

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Detailed protocol is available online at [www.lifetechnologies.com/manuals](http://www.lifetechnologies.com/manuals).

**WARNING!** For every chemical, read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

Chemical	CAS	Warning
DMSO	67-68-5	Components of the product may be absorbed into the body through the skin.

1. Add 7  $\mu$ L of DMSO to 1 vial of the reactive dye. Pipet up and down to dissolve.
2. Add 41  $\mu$ L of Labeling Buffer and 2  $\mu$ L of a 25  $\mu$ g/ $\mu$ L oligonucleotide stock solution to the reactive dye in DMSO (from step 1).
3. Incubate the reaction for at least 6 hours at room temperature on a shaker oscillating at low speed.

For research use only. Not for use in diagnostic procedures.

4. Purify the labeled oligonucleotide by ethanol precipitation, HPLC, or gel electrophoresis.

## Approximate fluorescence excitation and emission maxima of Alexa Fluor® Reactive Dyes

Fluorescent dye	$\lambda_{\text{max}}$ (nm)*	Em (nm)†
Alexa Fluor® 488	490	520
Alexa Fluor® 647	650	670

\*Absorbance maximum for the dye. †Emission maximum for the dye.

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