

# Alexa Fluor® Reference Standards

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Revision A.0

Store at  $\leq -20^{\circ}\text{C}$ , protected from light.

Label	Cat. no.	Ex/Em max*	Quantity
Alexa Fluor® 350 carboxylic acid	A33076	346/442	5 mg
Alexa Fluor® 488 carboxylic acid	A33077	495/519	5 mg
Alexa Fluor® 532 carboxylic acid	A33078	531/554	5 mg
Alexa Fluor® 546 carboxylic acid	A33079	556/575	5 mg
Alexa Fluor® 555 carboxylic acid	A33080	555/565	5 mg
Alexa Fluor® 568 carboxylic acid	A33081	578/603	5 mg
Alexa Fluor® 594 carboxylic acid	A33082	590/617	5 mg
Alexa Fluor® 633 carboxylic acid	A33083	632/647	5 mg
Alexa Fluor® 647 carboxylic acid	A33084	650/668	5 mg
Alexa Fluor® 750 carboxylic acid	A33085	749/775	5 mg

\* Approximate excitation and emission maxima, in nm.

## Guidelines for use

- Dissolve the Alexa Fluor<sup>®</sup> carboxylic acid compound in aqueous buffer (e.g. PBS), or high-quality, anhydrous dimethylsulfoxide (DMSO) or dimethylformamide (DMF) at a final concentration of 1–10 mg/mL. Once reconstituted, this solution is stable for 1 year, when stored at 2–8°C, protected from light.
- Prepare working solutions immediately before use, and then discard the working solutions after use.
- Because the actual fluorescence units can vary as a function of several factors including temperature and instrument settings, it is important to rigorously control these variables. For example, dilute the stock solution with the same buffer as that used with the analyte of interest and use exactly the same instrument settings.
- A 100-fold dilution of the standard solution is recommended as a starting point before measuring fluorescence.

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