

**Product:** Alt-R CRISPR-Cas9 tracrRNA—ATTO™ 550, 20 nmol

**Product number:** 1075928

**Batch number:** 0000435139

**Expiration date:** 2020-OCT-18

Test	Specification	Results
Amount delivered	–10% to +15% of target	Pass
Functional performance	±15% T7EI cleavage compared to validated lot (after CRISPR editing)	Pass
ESI mass spec	±0.02% of calculated molecular weight	Pass
Analytical purity by RP-HPLC	>70% full-length product	Pass

The molecular weight of Alt-R CRISPR-Cas9 tracrRNA—ATTO 550 is 22,937.4 Da, and the extinction coefficient is 718,600 L/(mol\*cm).

**Storage:** Store Alt-R CRISPR-Cas9 tracrRNA—ATTO 550 in a sealed container at –20°C.

**Verified by:** Wade Beagle

**Quality release date:** 2019-MAR-18

IDT verifies that the information contained herein is true and correct to the best of our knowledge. This document was produced electronically and is valid without signature.

**For Research Use Only.**