

Product: xGen TS-LT Adapter Kit A, 600 pmol

Product number: 1076874

Batch number: 0000411189

Expiration date: Refer to the expiration date printed on individual vial labels.

xGen TS-LT Adapter Duplex		
Each Adapter Duplex within Kit A meets the requirements below		
Test	Specification	Results
Purity by capillary electrophoresis	>85% full-length product	Pass
Molecular weight by ESI	$\pm 0.02\%$ of theoretical molecular weight	Pass
Concentration	$\pm 15\%$ of targeted concentration	Pass
Barcode cross-contamination*	<0.05% contamination with another TS-LT barcode	Pass
xGen Library Amplification Primer—TS Mix		
Test	Specification	Results
Purity by capillary electrophoresis	>85% full-length product	Pass
Molecular weight by ESI	Two primer species present ± 2.8 Da of theoretical molecular weight for each species	Pass
Concentration	$\pm 10\%$ of targeted concentration	Pass
Functional performance†	90–110% PCR efficiency NTC $C_q > 40$	Pass

* Cross-contamination of each adapter duplex is assessed through a series of qPCR assays designed to specifically detect the barcode region of the TS-LT Adapter Duplex. The level of a contaminating adapter duplex is quantified in the presence of the TS-LT Adapter Duplex being tested.

† Functional performance of the primer mix is assessed in a probe-based qPCR.

Storage: Store xGen TS-LT Adapter Duplexes and xGen Library Amplification Primer—TS Mix in sealed containers at -20°C .

Verified by: Natalie Walter

Quality release date: 2019-APR-15

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.

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