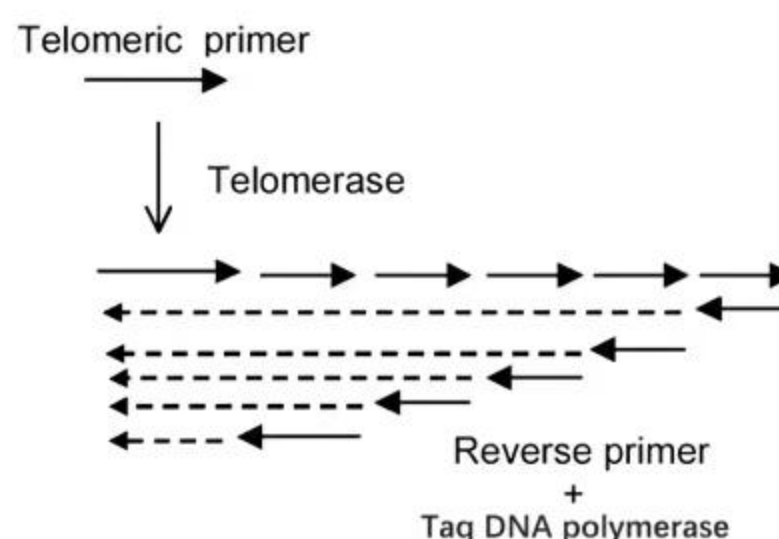


# Skygen qPCR-TRAP Human Telomerase Assay Kits

Tel: 400-107-8566 Web: [www.tjs.bio](http://www.tjs.bio) Mail: [order@tjs.bio](mailto:order@tjs.bio)

Telomerase activity is detected in 85–90% of human tumor cells, but not in most normal cells. Telomerase in tumor cells may allow unlimited division of tumor cells by restoring the length of chromosome telomeres. Therefore, the detection of telomerase activity is important for early tumor screening and tumor drug screening. Telomeric Repeat Amplification Protocol (TRAP) is the classical method to detect telomerase activity. The more PCR products means

the longer added telomere and the higher telomerase activity. The principle of TRAP to detect telomerase activity is shown below:



**Modifying traditional TRAP** Skygen has developed SYBR-based and TaqMan probe-based real-time quantitative TRAP assays, which features:

1. Ready-to-use, users don't have to optimize the conditions.
2. Provide two assays, one is SYBR-based and another TaqMan probe-based.
3. Closed one-tube reaction, which can effectively reduce aerosol contamination.
4. Positive controls for the preparation of standard curves are provided.
5. Quantitative assays with a linear range of at least 5 orders of magnitude.
6. Sufficient for 50 real-time quantitative TRAP experiments.

## Skygen<sup>TM</sup> Human Telomerase Activity and Related Products (a partial list)

Product Name	Catalog Number
SYBR qPCR-TRAP Kit for Human Telomerase Activity	14-00003
Probe qPCR-TRAP Kit for Human Telomerase Activity (without internal control)	15-00003
Probe qPCR-TRAP Kit for Human Telomerase Activity (with internal control)	17-00003
Human Telomere Length Assay Kit (SYBR qPCR)	230431
Human Telomere DNA Control (for Southern)	230364
Biotin-Labeled Human Telomere DNA Probe (for FISH and Southern)	230363
DIG-Labeled Human Telomere DNA Probe (for FISH and Southern)	230362