

Sample Collection & Preservation kits



APPLICATION NOTE

DANASALIVA RNA Sample Collection kit

Simultaneous DNA/RNA isolation from preserved saliva samples

Saliva, the most accessible and non-invasive biofluid of our body, harbours a wide spectrum of biological analytes informative for clinical diagnostic applications. Recently, human RNA obtained from saliva was shown to be a biomarker for several diseases.

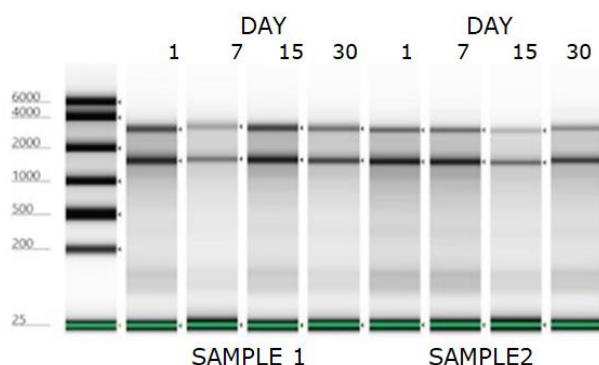
DANAGEN-BIOTED has developed a complete system that uses saliva as the sample **source for gene expression studies** and introduces the possibility of isolating genomic DNA from the same sample.

1. **DANASALIVA RNA Sample Collection** Kit provides a safe and rapid all-in-one procedure for the collection, stabilization and transportation of **1 ml saliva samples at ambient temperature that stabilizes RNA from the moment of collection for 1 month.**



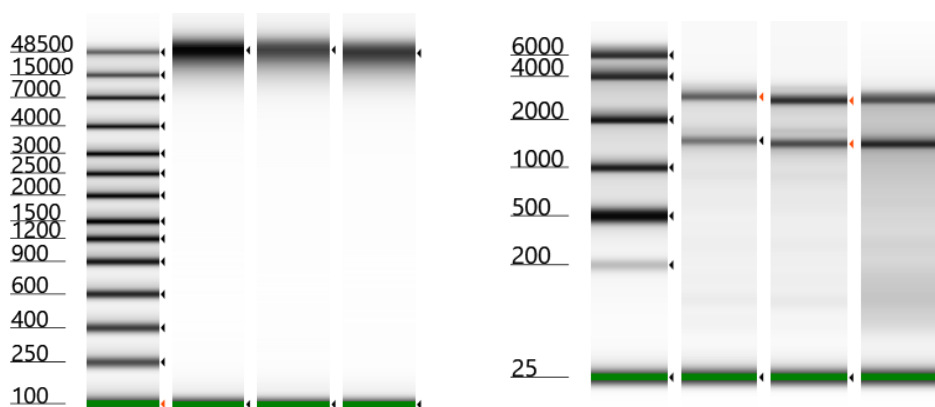
- Easy collection, transportation and processing.
 - Sample volume: 1 ml saliva
 - Sample remains stable for 1 month at RT, reducing transportation and storage costs.
 - Painless, non-invasive collection.
 - Samples can be mailed using the standard postal system.
 - Human mRNA expression profiling.
2. **DANAGENE SALIVA RNA Kit** has been designed for a fast and efficient purification of **total RNA from preserved saliva samples.**
- The process includes a cell lysis with proteinase K followed by a precipitation of the proteins and part of genomic DNA. Later, by a precipitation with isopropanol, total RNA is obtained, which is finally rehydrated. Finally, for **removal of genomic DNA contamination** is used an approach consisting of two sequential filtrations with different MiroSpin columns.
- Buffer-based RNA isolation combined with gDNA removal with columns.
 - Sample volume: 600 µl of preserved saliva sample.
 - RNA is isolated without the use of harmful chemicals as phenol or chloroform.
 - A260/A280 Ratio: > 1.8
 - Elution volume: 50 µl.

High-Quality RNA



RNA was isolated from aliquots of 600µl of preserved saliva samples with our **DANASALIVA RNA Sample Collection Kit**. These samples were preserved at room temperature for 30 days. Isolation was carried out on day 1, day 7, day 15, and day 30 using our **DANAGENE SALIVA RNA Kit**. Quality was assessed using the Agilent 4150 TapeStation

High-Quality DNA & RNA



Parallel purification of DNA and RNA can be extracted into separated fractions using a modification of the **DANAGENE SALIVA RNA Kit** protocol. Quality was assessed using the Agilent 4150 TapeStation.

Product	Reference	Size
DANAGENE RNA Saliva Sample Collection Kit	0603.46100	100 preps
DANAGENE RNA Saliva Sample Collection Kit	0603.46500	500 preps
DANAGENE RNA Saliva Sample Collection Kit	0603.461000	1000 preps
DANAGENE SALIVA RNA Kit	0809.1	50 preps



info@danagen.es



www.danagen.es



Tol free: +34 620876118