

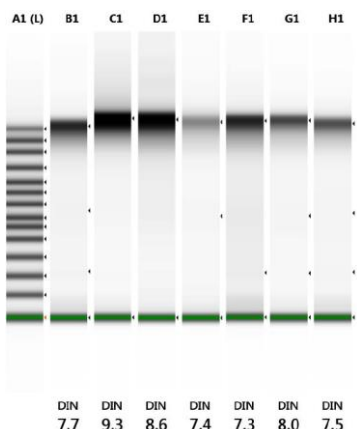
# Technical Note - Saliva

## Automated Genomic DNA Isolation from 1-4ml Saliva Samples

AutoGen offers different levels of automation to serve every laboratory's needs based on workflows and budget. Our FlexSTAR workflows use a precipitation method that allows you to process 1-4ml volumes at a time, from 1-30 samples per run from a variety of collection tubes including Oragene. Our proven precipitation chemistry produces high quality, high molecular weight genomic DNA ready for long-term storage.

- Ready to use DNA – up to 40 ug DNA/ml of saliva solution.
- Fast processing time – up to 30 x 1-2ml or 15 x 3-4ml samples in 2 hours.
- High molecular weight – suitable for all downstream applications.
- Long term stability suitable for long term storage.

AutoGen DNA from Oragene Collected Saliva



DIN	Conc. [ng/ul]	Sample Description
-	76.9	Ladder
7.7	32.7	70707_AtGn
9.3	66.6	5234_AtGn
8.6	66.0	522_AtGn
7.4	19.9	6741_AtGn
7.3	39.9	4408_AtGn
8.0	25.0	6926_AtGn
7.5	23.9	70981_AtGn

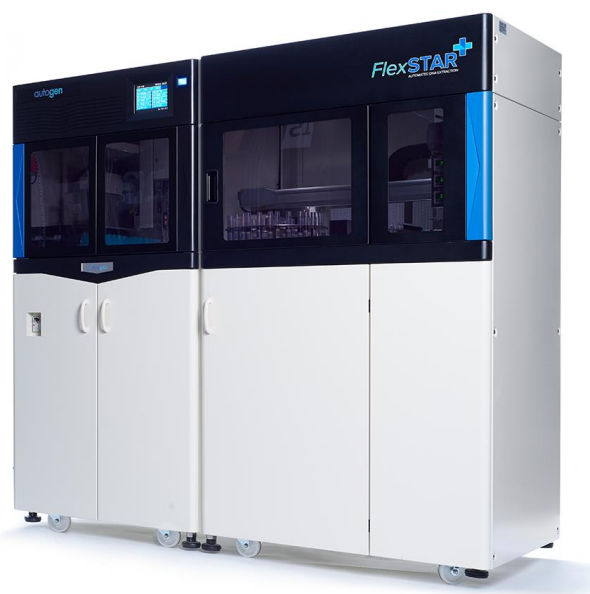
Tape Station Analysis of AutoGen DNA

## AutoGen FlexSTAR and FlexSTAR+

Total Automated Solution for large volume saliva DNA extraction from primary tube samples to final DNA storage tubes with FlexSTAR+.

### Key Features

- Primary tube sampling from 1-4 ml
- High throughput, 30 samples / run
- Bar code reading / sample tracking
- LIMS compatibility
- Archival quality DNA



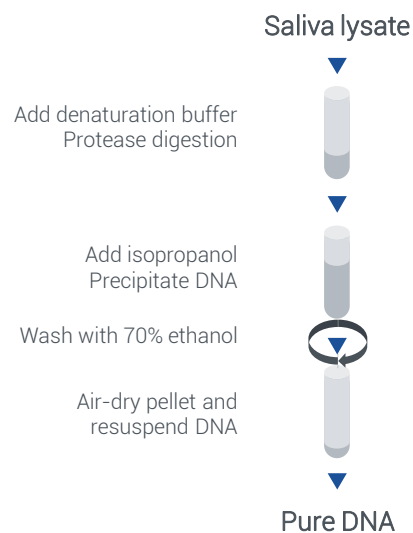
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## Isolation Method

The saliva protocol incorporated into the FlexSTAR workflows are optimized to use the Oragene DNA isolation kit supplied by AutoGen. Begin by preparing the overnight incubation of the Oragene collected saliva lysate. Load the Oragene tube containing 2-4ml of saliva lysate onto the FlexSTAR+. Proteins are collected using a purifier and are pelleted by centrifugation. The supernatant containing DNA is precipitated and washed in alcohol solutions. DNA is resuspended in TE or reagent AGF-R3.



## Saliva DNA Procedure



## Ordering Information and Kit Performance

PRODUCT #	PRODUCT NAME	SAMPLE SIZE	PROCESSING TIME	TYPICAL YIELD (ug/ml)	STANDARD ELUTION VOL.
AGKT-FXOD3	FlexSTAR Oragene Saliva Kit with Tubes	1-4ml	2 hours	1-40	300-1000

*AutoGen's promise is to provide the most practical, economically effective solutions for your sample prep and automation extraction solution needs, and to do it with a level of service, support, and responsiveness that leads the industry.*