

SALIVA DNA PRESERVATION

Metagenomics Comparison



Product Features

- ✓ Samples are non-infectious and can be handled and shipped safely
- ✓ Preserved DNA is stable for years at ambient temperature
- ✓ High quality DNA is suitable for sensitive downstream applications including PCR, qPCR, sequencing, SNP analysis, microarrays, RFLP and Southern Blot Analysis

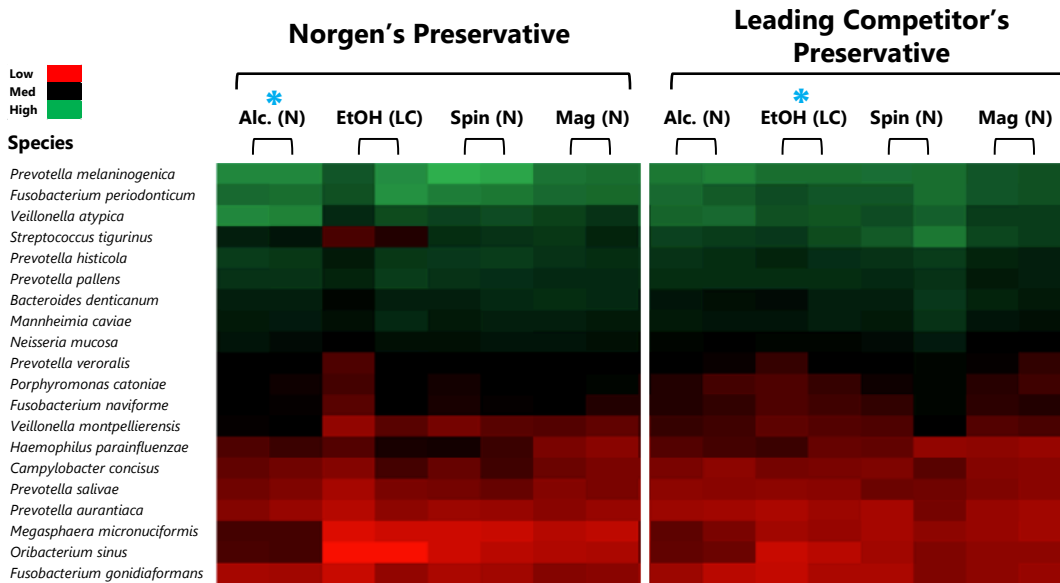


Figure 1. Heat map of relative frequencies of bacterial species identified in differentially processed saliva samples. "N" = Norgen; "LC" = leading competitor; "EtOH" = ethanol precipitation method; "Alc." = alcohol precipitation method; "Spin" = spin column method; "Mag." = magnetic bead method. Asterisk denotes default preservative and isolation method.

- Greater overall consistency between duplicates was observed in samples processed with Norgen's preservative
- Norgen's default method yielded more enriched readings than competitor's default method
- The greatest reproducibility and read quality was observed using Norgen's Spin Column method with Norgen's preservative; lower read quality was observed when the leading competitor's preservative was used with Norgen's Spin Column method
- Consistently tight coupling was observed between duplicates of Norgen-preserved samples (see pairings in heat map), including those processed using the leading competitor's EtOH method.

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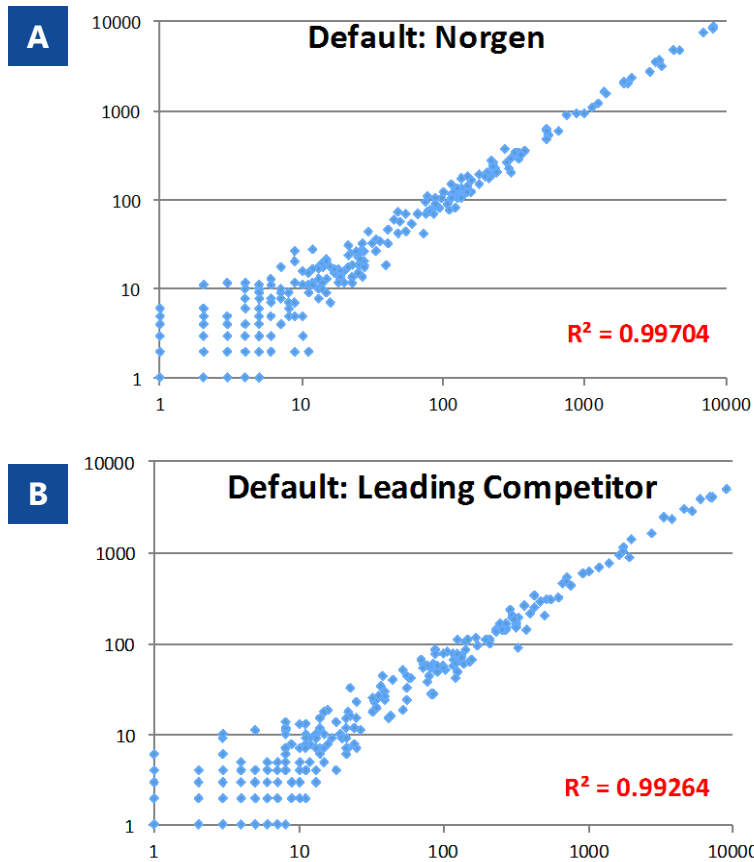


Figure 2. Correlation between duplicate bacterial metagenomic reads using (A) Norgen's default preservative and isolation method and (B) leading competitor's default preservative and isolation method.

- A greater R^2 was observed for Norgen's default preservation and isolation method, suggestive of higher consistency between duplicates and lesser variability
- For other sample pairs (not shown), the R^2 ranged from 0.98728, obtained in samples 11-12 (Norgen's Spin Column with the leading competitor's preservative), to 0.99715, obtained in samples 5-6 (leading competitor's EtOH with Norgen's preservative).
- This suggests that the leading competitor's isolation method was more consistent when used with Norgen's preservative

Saliva Products

Description	Prep Size	Cat. #
Saliva DNA Collection and Preservation Devices	50 devices	RU49000
Saliva DNA Collection, Preservation and Isolation Kit	50 devices	RU35700
Saliva DNA Isolation Kit	50 preps	RU45400
Saliva DNA Isolation 96-Well Kit	2 x 96-well	RU35200
Saliva DNA Isolation Kit (Magnetic Bead System)	50 preps	RU55400
Saliva DNA Isolation 96-Well Kit (Magnetic Bead System)	2 x 96-well	RU62900
Saliva DNA Isolation Reagent Kit (up to 4 mL)	50 preps	RU35720

CE Marked Saliva Products*

Description	Prep Size	Cat. #
Saliva DNA Collection and Preservation Devices	50 devices	49000 CE
Saliva DNA Collection, Preservation and Isolation Kit	50 devices	35700 CE
Saliva DNA Isolation Kit Dx	50 preps	Dx45400 CE

* Note: CE Marked are not available for sale in the United States

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