

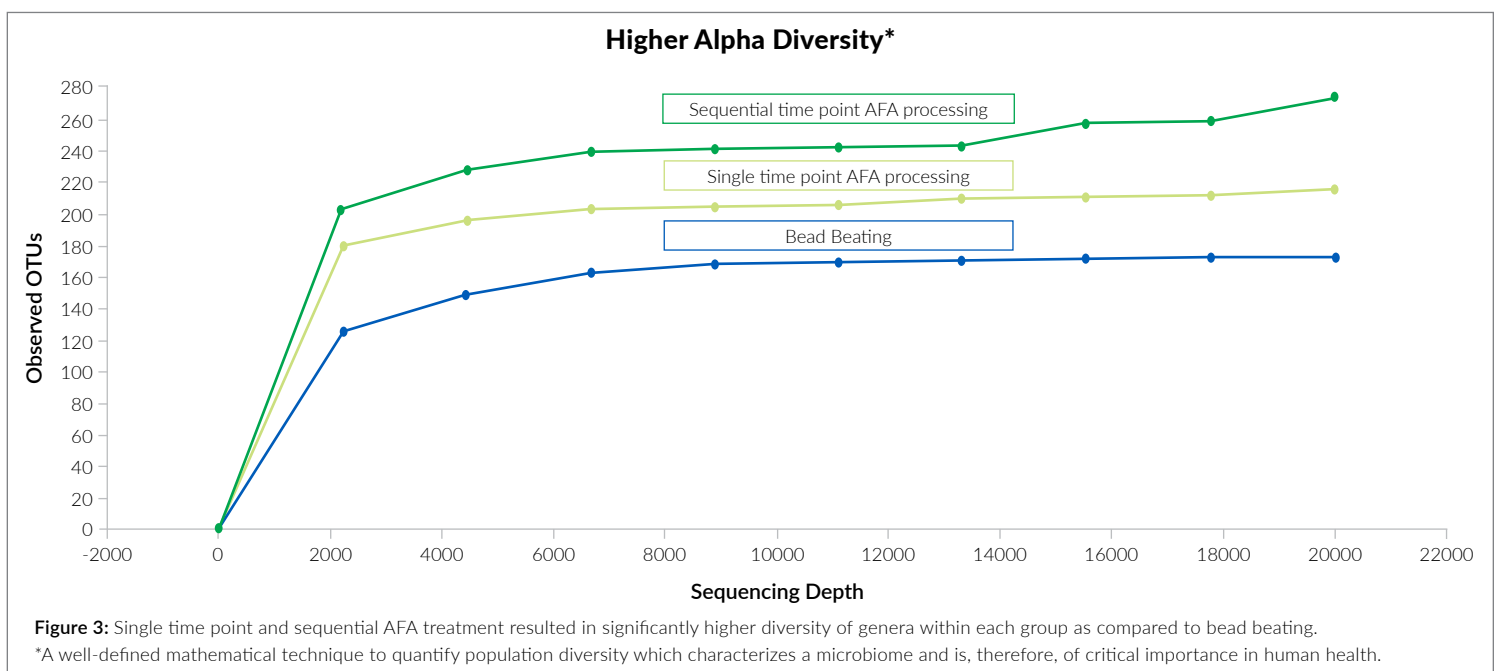
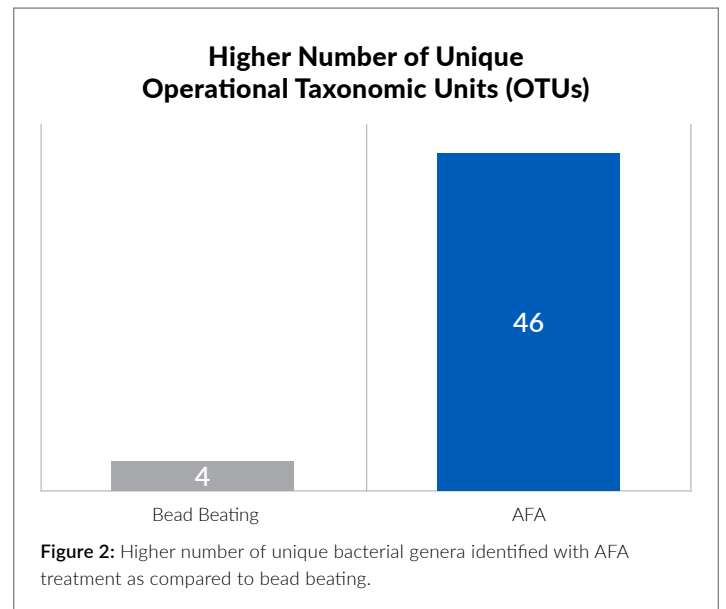
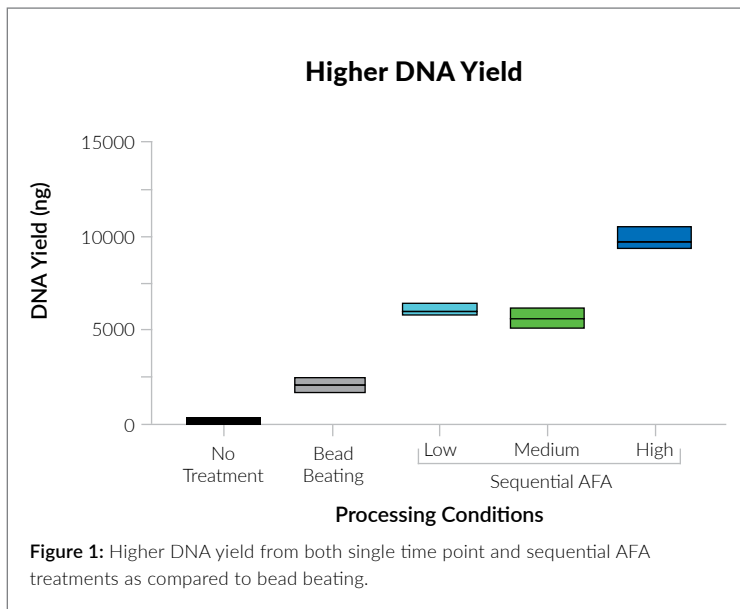
Microbiome Samples: Reveal the Hidden Diversity Using Adaptive Focused Acoustics® (AFA®)

Highly Tunable: unbiased extraction of DNA to represent the true diversity of the microbiome sample

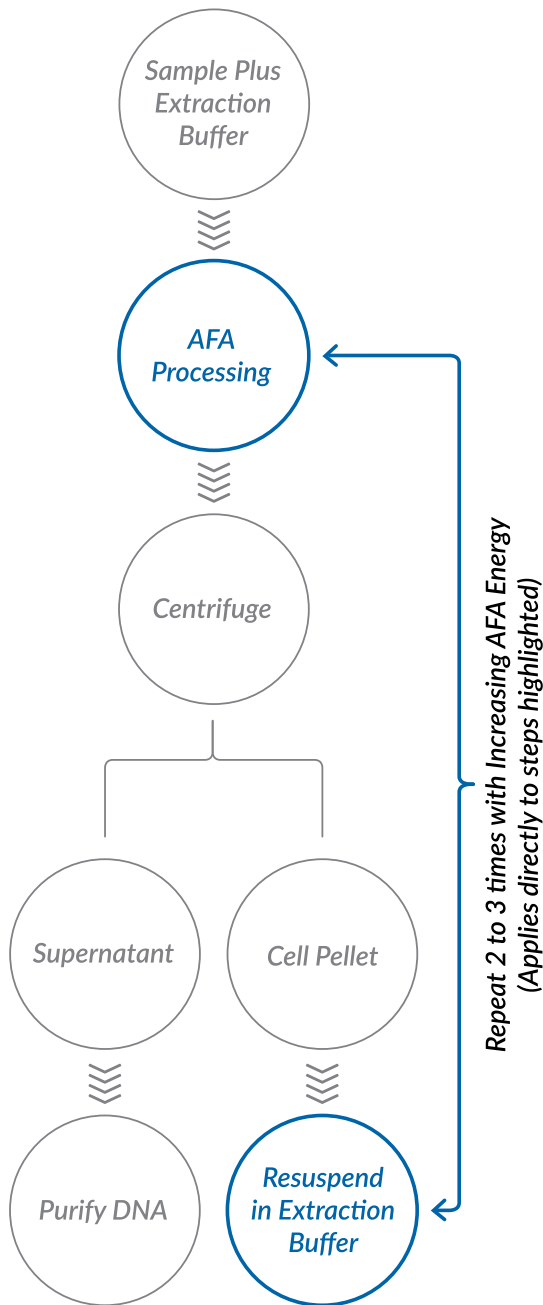
Scalable: compatible with variable sample mass and number of samples

Reproducible: enabled through the use of advanced acoustic circuitry and engineered consumables

Bead beating and the use of harsh chemicals and solvents have the potential to destroy DNA from easy-to-lyse bacteria thereby significantly impacting the true representation of those species in NGS library preparation. Likewise, inefficient lysis of difficult-to-lyse species can also lead to the DNA of those species being left out of the library preparation process.



Simplified Workflow Compatible with Currently Used Qiagen® Microbiome Nucleic Acid Extraction Kits



Qiagen Kits Compatible with AFA for Microbiome DNA Extraction

Part Number	Description
PN 27000-4-KF	MagAttract® Powersoil® DNA KF kit
PN 27000-4-EP	MagAttract Powersoil DNA EP kit
PN 27500-4-KF	MagAttract PowerMicrobiome® DNA/RNA KF
PN 27500-4-EP	MagAttract PowerMicrobiome DNA/RNA EP

Compatible Covaris Consumables and Instruments

AFA System	Part Number	Description
	520185	microTUBE-500 AFA Fiber Screw-Cap (25)
M220	500414	M220 Holder XTU
	500471	M220 Holder XTU Insert microTUBE-500
ME220	500525	ME220 Rack 4-place microTUBE-500
	500534	ME220 Waveguide 4 Place
S220	500449	Holder, microTUBE-500 Screw-Cap
E220evolution	500484	Rack E220e 4 microTUBE-500 Screw Cap
E220	500452	Rack 24 microTUBE-500 Screw-Cap
LE220	500452	Rack 24 microTUBE-500 Screw-Cap

Please contact Covaris Applications support at applicationsupport@covaris.com for questions and further information.

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