






Sanger Protocol Comparison

Protocol	StandardSeq	RapidSeq	ColonySeq	CleanSeq	HairpinSeq
					
Brief description	Standard single read sequencing service for plasmids or PCR products	Same as StandardSeq but same day delivery	Standard single read sequencing service for plasmids	Sequencing of PCR products including their enzymatic cleanup	Special sequencing protocol for hairpins, GC-rich and other problematic templates
Technology	Sanger	Sanger	Sanger	Sanger	Sanger
Sequencing direction	Forward	Forward	Forward	Forward	Forward and reverse
SAMPLES					
Template type	Plasmid or PCR product	Plasmid or PCR product	Bacterial colony, culture or glycerol stock	PCR product	Plasmid or PCR product
Sample purity	Purified (ready for sequencing reaction)	Purified (ready for sequencing reaction)	Not applicable	Unpurified	Purified (ready for sequencing reaction)
Compatible with SEQme universal primers	Yes	Yes	Yes	Yes	Yes
Sample requirements (detailed)	Link	Link	Link	Link	Link
Samples stored in SEQme lab	7 days	7 days	7 days	7 days	7 days
SHIPMENT					
Plasticware	Tubes or 96-well plates	Tubes or 96-well plates	Tubes or 96-well plates	Tubes or 96-well plates	Tubes or 96-well plates
Shipping temperature	Room temperature	Room temperature	Room temperature	Room temperature	Room temperature
Drop box compatible	Yes	Yes	Yes	Yes	Yes
OUR SERVICE					
We perform	Sequencing reaction Capillary electrophoresis Manual data analysis	Sequencing reaction Capillary electrophoresis Automatic data analysis	Plasmid amplification Sequencing reaction Capillary electrophoresis Manual data analysis	PCR product cleanup Sequencing reaction Capillary electrophoresis Manual data analysis	Two sequencing reactions Capillary electrophoresis Manual data analysis
Deliverables	Length of read up to 1100 bp Data accuracy typically > 99 %	Length of read up to 1100 bp Data accuracy typically > 99 %	Length of read up to 1100 bp Data accuracy typically > 99 %	Length of read up to 1100 bp Data accuracy typically > 99 %	Length of read up to 1100 bp Data accuracy typically > 99 %
Data analysis and quality control	Automatic + Manual	Automatic only	Automatic + Manual	Automatic + Manual	Automatic + Manual
Data format	ab1, phd.1, seq	ab1, phd.1, seq	ab1, phd.1, seq	ab1, phd.1, seq	ab1, phd.1, seq
Data delivery	On line (secure access)	On line (secure access)	On line (secure access)	On line (secure access)	On line (secure access)
Data availability	2+ years	2+ years	2+ years	2+ years	2+ years
WHAT MATTERS MOST					
Time to results (since the delivery of samples to our lab)	Next working day	10+ hours	Two working days	Next working day	Next working day
Price	Per sample or plate	Per sample or plate	Per 8 samples or per plate	Per 8 samples or per plate	Per sample or plate
Ordering	Link	Link	Link	Link	Link