

Sequencing protocol comparison

Protocol	StandardSeq	RapidSeq NEW	CleanSeq	HairpinSeq	ReadySeq	PlasmidSeq NEW
						
Brief description	Standard single read sequencing service for plasmids or PCR products	Same as StandardSeq but analyzed preferentially in sequencers and only automatic data analysis performed	Sequencing of PCR products including their enzymatic cleanup	Special sequencing protocol for hairpins, GC-rich and other problematic templates	Electrophoresis of ready sequencing products	Sequencing service for plasmids or PCR products using Illumina technology and Sanger-like data format of results
Technology	Sanger	Sanger	Sanger	Sanger	Sanger	Illumina
Sequencing direction	Forward	Forward	Forward	Forward and reverse	Forward	Paired-end
SAMPLES						
Template type	Plasmid or PCR product	Plasmid or PCR product	PCR product	Plasmid or PCR product	Sequencing reaction product	Plasmid or PCR product
Sample purity	Purified (ready for sequencing reaction)	Purified (ready for sequencing reaction)	Unpurified	Purified (ready for sequencing reaction)	Not applicable	Purified (ready for library preparation)
Compatible with SEQme universal primers	Yes	Yes	Yes	Yes	No	Not applicable
Sample requirements (detailed)	Link	Link	Link	Link	Link	Link
Samples stored in SEQme lab	7 days	7 days	7 days	7 days	48 hrs	7 days
SHIPMENT						
Plasticware	Tubes or 96-well plates	Tubes or 96-well plates	Tubes or 96-well plates	Tubes or 96-well plates	96-well plates only	Tubes or 96-well plates
Shipping temperature	Room temperature	Room temperature	Room temperature	Room temperature	Dry ice/Gel packs	Room temperature
Drop box compatible	Yes	Yes	Yes	Yes	No	Yes
OUR SERVICE						
We perform	Sequencing reaction Capillary electrophoresis Manual data analysis	Sequencing reaction Capillary electrophoresis Automatic data analysis	Sequencing reaction Capillary electrophoresis Manual data analysis	Sequencing reaction Capillary electrophoresis Manual data analysis	Sequencing reaction Capillary electrophoresis Manual data analysis	Library preparation and sequencing Assembly, consensus sequence generation and its conversion to ab1 format
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 %	Length of read up to 20000 bp Data accuracy typically > 99 %
Data analysis and quality control	Automatic + Manual	Automatic only	Automatic + Manual	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	ab1, fasta, xls
Data delivery	On line (secure access)	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	1+ month
WHAT MATTERS MOST						
Time to results (since the delivery of samples to our lab)	Next working day	10+ hours	Next working day	Next working day	Next working day	2 weeks
Price	Per sample or plate	Per sample or plate	Per 16 samples or per plate	Per sample or plate	Per plate	Per sample
Ordering	Link	Link	Link	Link	Link	Link