

Walking Primer Strategy

Technical Detailed List

Walking Primer Strategy offers FULL sequencing of large fragments and inserts between 3Kb and 10Kb as:

- totally complete customer support
- very high quality of the delivered data

Walking Primer strategy offers two different solution:

- Single Strand** – Laboratory quality: provides a general overview of your template.
- Double Strand** – Publication quality: gives a complete sequence of your DNA necessary to submit to GenBank or scientific publications.

1. DNA Requirements

PCR fragments can be lyophilized or dissolved in ddH₂O in a quantity of 100 ng/single seq. reaction.

Sequencing reactions are performed using standard protocols.

Verify the suitability of the samples before sending them to the sequencing facility .

When possible send double amount of DNA to reduce turnaround time when resequencing is necessary (*failed runs are repeated at no additional charge*).

One of the most crucial factors for successful sequencing is to use the right amount of template.

Please check samples concentration by loading them onto an agarose gel rather than measuring UV absorbance.

2. Sample preparation

PCR fragments must be single band. Our service will always perform a free ExoSAP-IT® treatment on every PCR product before setting up the sequencing reaction.

Because of the complexity of this strategy we suggest to contact the sequencing staff in order to obtain specific technical information to prepare perform the strategy.