



PCR Sequencing Full Length

Sample requirements, amplicon pooling, and submission

SERVICE CODE: PCR

Submit PCR products directly for sequencing. Multiple amplicons are encouraged in one tube when their lengths differ by at least 10%.

VOLUME & CONCENTRATION	PURIFICATION	SEQUENCING PRIMERS	AMPLICON LENGTH
10 μ L at >5 ng/ μ L	Not required	Not required	>200 bp

Sample preparation

- Each amplicon must be **longer than 200 bp**.
- Submit **10 μ L** of PCR product DNA at a concentration **greater than 5 ng/ μ L**.
- **No purification is needed.** PCR products may be submitted without cleanup.
- **No sequencing primers are needed.** You do not need to provide separate primers.

Mixing multiple amplicons in one tube

LENGTH REQUIREMENT

Pooling is encouraged. Every pair of amplicons in the same tube must differ in length by at least 10%.

Example: 1,000 bp and 1,200 bp amplicons meet the length-difference requirement. Amplicons with the same or very similar lengths should be submitted in separate tubes.

Sample labeling and containers

REQUIRED PACKAGING

1. Use complete 8-tube PCR strips; do not cut strips into smaller pieces.
2. Write numbers only on tube caps, matching the printed sample sheet. Do not write sample names.
3. Load samples consecutively with no empty gaps. Unused tubes may remain only after the final sample.
4. Do not submit individual loose tubes, including for a one-sample order.
5. Use a 96-well sample plate only when submitting 48 or more samples.

BEFORE TURN-IN

Confirm sample volume (10 μ L), DNA concentration (>5 ng/ μ L), amplicon length (>200 bp), the length difference of pooled amplicons, tube numbering, strip integrity, and the printed sample sheet before handing samples to CVENTBIO.