

The diagram illustrates the experimental design for four groups, each with three replicates. The groups are: Tide Pool 1 (S1), Tide Pool 2 (S2), Nearshore (N), and Field Blank. The samples are represented by colored boxes indicating their stage in the experiment: yellow for initial samples, green for first passage, light green for second passage, teal for third passage, light blue for fourth passage, and purple for final samples. The 'Field Blank' group only has an initial yellow sample.

| Group | Replicate | Initial Sample | First Passage | Second Passage | Third Passage | Fourth Passage | Final Sample |
|------------------|-----------|----------------|---------------|----------------|---------------|----------------|--------------|
| Tide Pool 1 (S1) | 1 | Yellow | Green | Light Green | Teal | Light Blue | Purple |
| | 2 | Yellow | | | Teal | | Purple |
| | 3 | Yellow | | | Teal | | Purple |
| Tide Pool 2 (S2) | 1 | Yellow | Green | Light Green | Teal | Light Blue | Purple |
| | 2 | Yellow | | | Teal | | Purple |
| | 3 | Yellow | | | Teal | | Purple |
| Nearshore (N) | 1 | Yellow | Green | Light Green | Teal | Light Blue | Purple |
| | 2 | Yellow | | | Teal | | Purple |
| | 3 | Yellow | | | Teal | | Purple |
| Field Blank | 1 | Yellow | | | | | Purple |