1. Solution for preparation of faecal suspension:

1.1 Phosphate buffered saline (PBS), pH 7.4 stock 0.2 M (10 X)

**Solution A**

NaH$_2$PO$_4$.2H$_2$O (Qualigens fine chemicals, U.S.A) 3.12 gm
Double distilled water (DDW) 100 ml

**Solution B**

Na$_2$HPO$_4$ (Qualigens fine chemicals, U.S.A) 2.84 gm
DDW 100 ml

Mix 19 ml of solution A and 81 ml of solution B. Make up the volume to 200 ml with DDW. Adjust the pH to 7.4. Then add 0.9% NaCl to the solution and adjust the pH. The solution was autoclaved at 15 lbs per square inch (psi) for 25 min and stored at 4°C.

1.2. PBS Working Stock, 0.01M (1X)

<table>
<thead>
<tr>
<th>Component</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBS (0.2M)</td>
<td>25 ml</td>
</tr>
<tr>
<td>DDW</td>
<td>475 ml</td>
</tr>
<tr>
<td>Total volume</td>
<td>500 ml</td>
</tr>
</tbody>
</table>

2. Solution/ reagents for Agarose gel electrophoresis

2.1. Tris-Acetate-EDTA (TAE) buffer, pH 8.3 (50X)

<table>
<thead>
<tr>
<th>Component</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tris base (Sigma, U.S.A)</td>
<td>24.20 gm</td>
</tr>
<tr>
<td>Glacial acetic acid (Qualigens fine chemicals, U.S.A)</td>
<td>5.70 ml</td>
</tr>
<tr>
<td>EDTA (Sigma, U.S.A)</td>
<td>1.60 gm</td>
</tr>
<tr>
<td>DDW</td>
<td>100 ml</td>
</tr>
</tbody>
</table>

pH was adjusted to 8.3 by using pH meter (Control dynamics, India) and Stored at 4°C
2.2 TAE Working Stock (1X)

- TAE (50X) 10 ml
- DDW 490 ml
- Total volume 500 ml

2.3. Ethidium Bromide (EtBr) Stain (Stock 10 mg/ml)

- Ethidium Bromide (Sigma, USA) 10 mg
- DDW 1 ml

Mixed well by vortexing and stored at RT in an eppendorf tube in dark.

2.4. Bromophenol blue (BPB, 6X), 0.25%

- Bromophenol blue (Sigma, USA) 25 mg
- Sucrose (40%) (Qualigens fine chemicals, USA) 4 g
- DDW 10 ml

3. Solutions for post purification of cycle sequencing products

3.1. EDTA Working Stock 125 mM

- EDTA (500 mM) (Sigma, USA) 1.86 gm
- DDW 10 ml

Mixed well by Vortexing and stored at 4° C.

3.2. Sodium acetate (NaOAc), 3 M, pH 5.2

- Sodium acetate (Sigma, U.S.A) 61.50 gm
- DDW 50 ml

The pH was adjusted to 5.2 and stored at 4° C.