Viral RNA extraction and detection for enterovirus

min chen,minmei chen,yu ju

Abstract

Citation: min chen,minmei chen,yu ju Viral RNA extraction and detection for enterovirus. **protocols.io** dx.doi.org/10.17504/protocols.io.jhzcj76
Published: 22 Aug 2017

Protocol

Step 1.
1.Stool suspensions were created by mixing 0.1 g of stool sample, 0.1 mL of chloroform, and 1 mL of phosphate-buffered saline.

Step 2.
The suspensions were shaken vigorously for 20 min followed by centrifugation at 3,000 × g for 5 min at 4°C.

Step 3.
3.For rectal swab samples, the supernatant was prepared by centrifuging the fluid at 13,000 × g for 1 min and transferring the supernatant to a fresh tube.

Step 4.
Viral RNA was extracted from 200 µL of supernatant using the viral RNA mini kit (Qiagen, Hilden, Germany) according to the manufacturer’s instructions.