

CDC Trioplex PCR kit **B-Roll Description:**

0:00 – 0:11: Wide shot of 5 scientists assembling the CDC's Trioplex Real-time RT-PCR Assay kit which consists of 4 vials:

- First vial with the red top contains the dengue primer and probe mix
- Second vial with blue top contains chikungunya primer and probe mix
- Third vial with white top: Zika primer and probe mix
- Fourth vial with green top: RNase P primer and probe mix to verify the presence of nucleic acid in the extracted specimen

0:11 – 0:15: Medium shot showing first 3 scientists adding vials to the kit.

0:16 – 0:23: Close-up shot of chilled bin focused on vials with red top and scientist removing one of the vials.

0:24 – 0:46: Sequence showing assembly of Trioplex kit:

Medium shot of first 2 scientists at beginning of assembly line building the CDC's Trioplex Real-time RT-PCR Assay kit. First scientist adds red-top vial and then a blue-top vial to the kit and places it in the next scientist's chilled bin. Then second scientist picks up the kit and adds the white-top vial and green-top vial and places kit in the next bin. The second scientist fills 2 more kits and places them into the 3rd scientist's bin.

0:47 - 0:54: Close-up shot face of 1st scientist at the beginning of the assembly line. You can see with vials in bin in reflection of her eye protection.

0:54 – 1:15: Close-up side-view shot of first 2 scientist's hands filling kits with first 2 vials and passing to next scientist.

1:16 – 1:20: Close-up shot of face of 2nd scientist who is placing the white-top and green-top vials into kit.

1:21 – 1:38: Close-up shot of 2nd bin containing white-top and green-top vials; see half-filled kits placed into bin and picked up by 2nd scientist who picks it up. Shot pans up a little to show how white-top and green-top vials are added to kit.

1:39 – 1:45: Colorful extreme close-up shot of kits containing all 4 vials placed into a bin with ice.

1:46 – 2:00: Close-up shot of hands of 3rd scientist verifying proper vials put in kit by partially pulling out vials to read labels, then places lid on kit.

2:01 – 2:06: Close-up shot of face of 3rd scientist.

2:07 – 2:18: Extreme close-up of vials being partially pulled out of kit to reveal labels which show dengue (red top), chikungunya (blue top), Zika (white top) and RP (green top); then the lid is placed on kit.

2:19 – 2:28: Close up shot of 4th scientist in assembly line as she removes label from roll; zoom-in on hand placing label on box.

2:29 – 2:35: Close-up side view shot of label being placed on box.

2:36 – 2:42: Close-up shot of face of 4th scientist in assembly line.

2:43 – 2:49: Extreme close-up shot of label being removed and placed on closed kit box.

2:50 – 3:12: Medium shot of last 2 scientists on kit assembly line.

3:13 – 3:28: Extreme close-up shot of 5th scientist hands placing kit into a re-sealable bag which already has a CDC Trioplex package insert inside – zooms out a little bit to show bag being closed and then placed in cooler below.

3:29 – 4:04: Close up shot of 5th scientist's placing the assembled Trioplex kits into a clear, re-sealable plastic bag along with package insert.

4:05 - 4:13: Close-up view of the assembled Trioplex kits being placed into a cooler/storage unit.

4:14- 4:19: Extreme close-up view of CDC Trioplex package insert inside bag with assembled Trioplex kits.

4:20 - 4:37: Extreme close-up, side-view shot of scientists's hands during assembly process; also shows kit transferred from bin to bin, vial partially pulled out to check labels and labels placed on closed Trioplex kit box.

4:38 - 5:03: Side view of heads of first 3 scientists of the scientists as they assemble the Trioplex kits; pans to 4th scientist, then pans and zooms out a little to show two-shot of 4th and 5th scientists.

5:04 - 5:37: Side view of Trioplex kit assembly process. Slow pan from each scientist as 2 vials are placed into Trioplex kit box, then put in the next bin, then picked up and 2 more vials are added. Then the vials are checked and placed into next bin.

5:38 – 5:42: Close-up view of the red-top and blue-top vial containers preserved on ice. Scientists remove vials one at a time to add to Trioplex kit.

5:43 -5:48: Close-up shot of white-top and green-top vials placed on ice. Scientists remove vials one at a time to add to Trioplex kit. See partially filled kit placed in bin so scientist can add last 2 vials.

5:49 - 6:25: Wide-angle side-view of scientists assembling Trioplex kits.

END