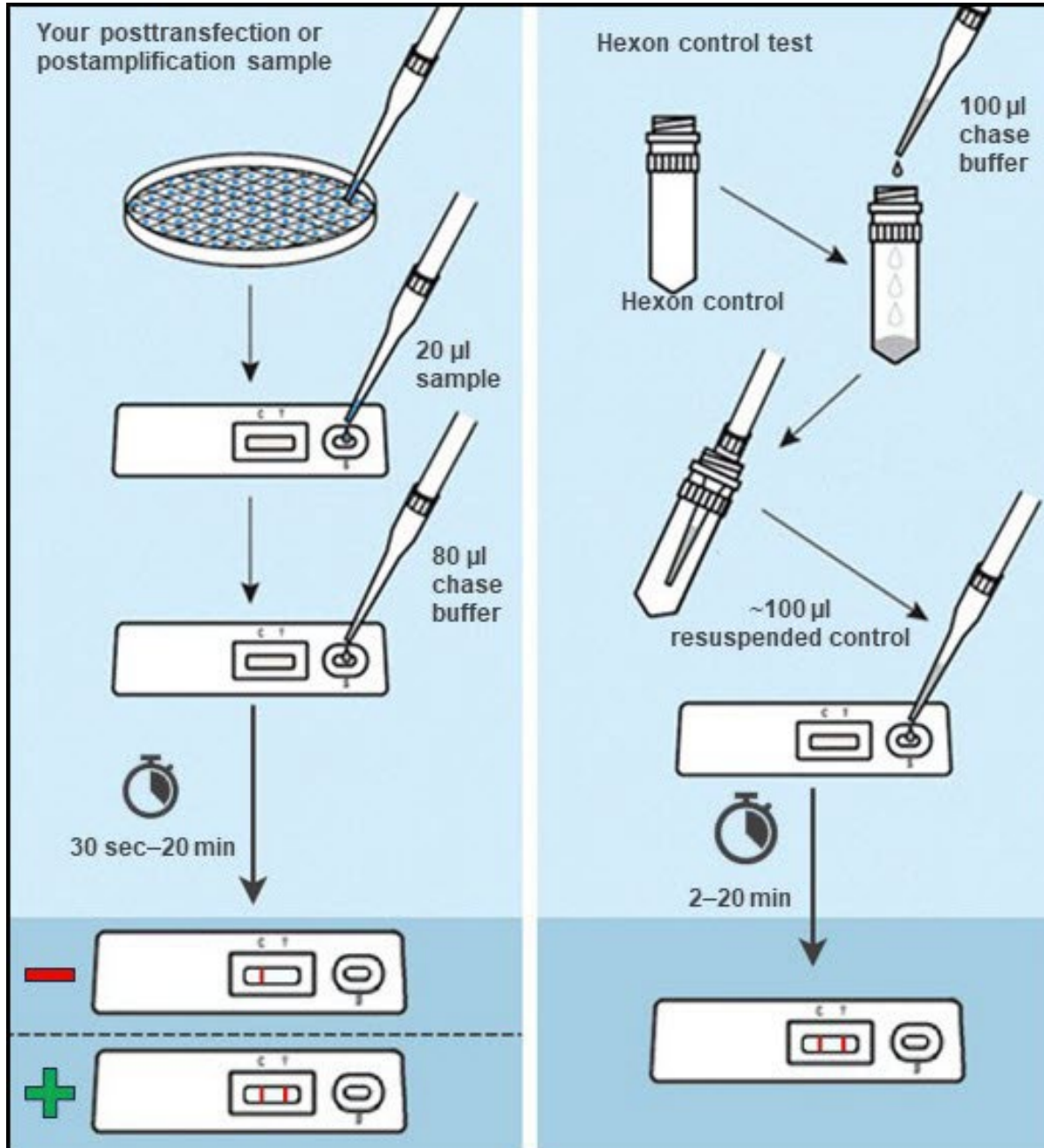


## I. Introduction

**Adeno-X™ GoStix™** tests (Cat. No. 632270) are designed to instantly confirm the presence of adenovirus in cell culture supernatants or lysates. The test, which detects adenoviral hexon proteins, requires just 20  $\mu$ l of adenoviral supernatant to determine if infectious virus was produced posttransfection or to select the best time to harvest your virus following amplification. The included Hexon Control provides confirmation of GoStix test function.



Adeno-X GoStix workflow.

## II. Adeno-X GoStix Tests

**IMPORTANT:** For all test types below, DO NOT exceed a 20 min wait time for the band(s) to display in the cassette. The likelihood of a false positive will increase after 20 min.

### A. Your Sample Test—After Transfection of Adenoviral DNA

1. Take 20 µl of your adenoviral supernatant and apply it to the sample well (S) of the GoStix cassette.
2. Add 80 µl of Adeno-X Chase Buffer to the sample well and wait for the bands to develop.
3. A control band will always appear (C), and a test band (T) will start to appear within 2–20 min. The test band will reach maximum intensity at 20 min if your sample contains sufficient adenovirus. A positive test band indicates your sample contains  $> 2.0 \times 10^5$  IFU/ml.

### B. Your Sample Test—After Amplification of Adenovirus

1. Take 20 µl of your adenoviral supernatant (or cell lysate) and apply it to the sample well (S) of the GoStix cassette.
2. Add 80 µl of Adeno-X Chase Buffer to the sample well and wait for the bands to develop.
3. A control band will always appear (C), and a test band (T) will start to appear within 30 sec–20 min. The test band will reach maximum intensity at 5 min if your sample contains sufficient adenovirus.

**NOTE:** If the viral titer is expected to exceed  $10^8$  IFU/ml, test a series of sample dilutions, e.g., 1/10, 1/100, 1/1,000, on GoStix cassettes.

### C. Hexon Control Test

1. Resuspend the lyophilized Hexon Control in 100 µl of Adeno-X Chase Buffer and pipette up and down to mix.
2. Apply ~100 µl of the Hexon Control (i.e., the entire mixture) to the sample well (S) of the GoStix cassette.
3. Two bands (control and test) will appear in 2–20 min.

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This document has been reviewed and approved by the Quality Department.