



Sofia®

## Technical Bulletin

### Sofia Influenza A+B FIA and Sofia RSV FIA: Test for Both Influenza and RSV Using One Patient Sample



Study the Package Inserts thoroughly for both the Sofia Influenza A+B FIA and the Sofia RSV FIA.<sup>1</sup> The following is not a complete set of instructions.

***One patient sample is sufficient to perform both  
Sofia Influenza A+B FIA and Sofia RSV FIA.***

**NOTE:** The Reagent Solution and Reagent Tube are the same in both the Sofia Influenza A+B FIA and Sofia RSV FIA kits. You may use these components from either kit to perform the test. For nasopharyngeal aspirate/wash or media samples, use the large, pink pipette that is supplied in the Sofia RSV FIA kit, or a micropipettor set to 250  $\mu$ L, to transfer a liquid specimen into the Reagent Tube. Approximately 300  $\mu$ L of the patient specimen will be needed. When collecting the sample, use a minimal amount of saline or transport media to avoid diluting the specimen. If transport to a lab is required for cell culture, ensure adequate volume of the specimen is available.

#### **Nasopharyngeal Aspirate/Wash Specimens or Nasopharyngeal Swab Specimens in Compatible Transport Media for Sofia Influenza A+B FIA and Sofia RSV FIA:**

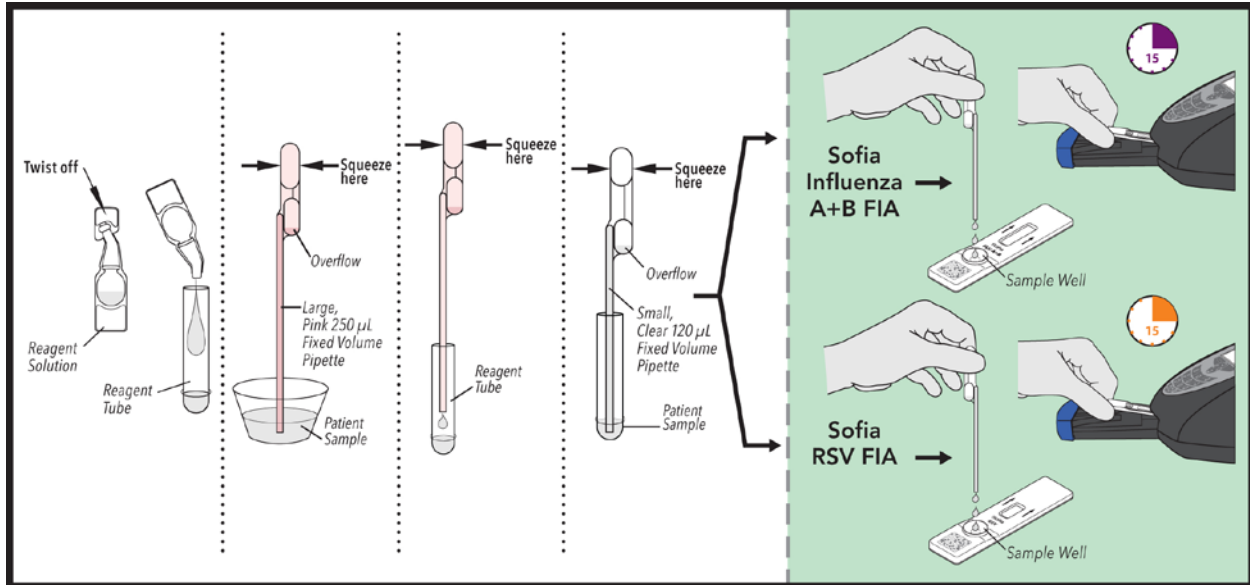
- Saline\*
- Copan UTM/BD VTM
- Hank's Balanced Salt Solution
- M4
- M4-RT
- M6
- Modified Liquid Stuarts
- Starplex Multitrans

\*The Reagent Solution vials provided in either the Sofia Influenza A+B FIA or Sofia RSV FIA Kits contain saline and may be used for transport.

## Nasopharyngeal Aspirate/Wash Specimens

Following your Institution's protocol for obtaining nasopharyngeal aspirate or wash specimens, use a specimen container to collect 650-1000  $\mu\text{L}$  of patient sample. Then follow the sample preparation procedure shown below in Figure 1 and the test procedures in the Sofia Influenza A+B FIA and Sofia RSV FIA<sup>1</sup> Package Inserts.

**Figure 1: Nasopharyngeal Aspirate/Wash**



## Nasopharyngeal Swab Specimens in Media

**NOTE:** Nasal swabs may not be used with this procedure, as nasal swabs are not an approved sample type with the Sofia RSV test kit. Either the swab provided in the Sofia RSV kit or the Copan mini-tip swab provided with Quidel Cat. #20226 may be used, as both NP swabs are compatible with the Sofia Influenza A+B and Sofia RSV Test kits.

In order to ensure that there is enough sample volume to pipette onto both the Sofia Influenza A+B and Sofia RSV Test Cassettes, a NP swab must be placed into an approved transport media (such as saline), prior to running the following procedure.

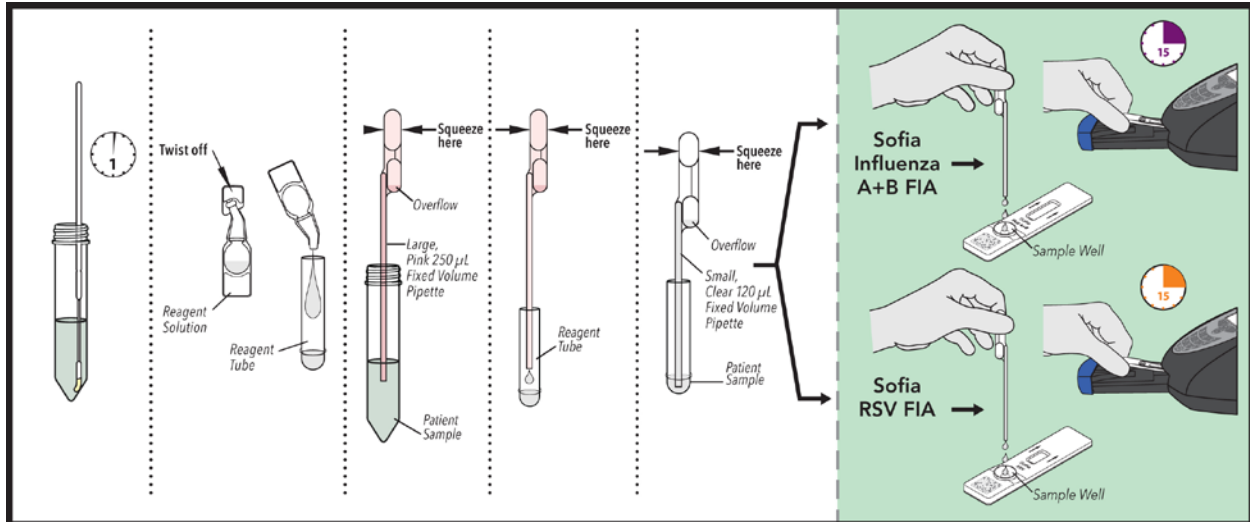
To prepare the NP swab in transport media, place 650-1000  $\mu\text{L}$  of an approved media into a clean, dry tube.

**NOTE:** If you do not have access to a volumetric pipette, you may use the saline within two of the plastic vials of the Reagent Solution from either the Sofia Influenza A+B or Sofia RSV Test kits. These Reagent Solution vials contain saline, which is an approved transport media. Please contact Technical Support if additional Reagent vials and/or clean, dry tubes are needed.

After collecting the NP swab sample, elute the swab by vigorously rotating the swab in the media. Keep the swab in the media for 1 minute, and then remove the swab. When removing the swab from the media, squeeze the swab head within the tube between your thumb and forefinger if the tube is malleable, or press the swab against the side of the tube, if you are unable to squeeze it. This will allow for more liquid to be removed from the swab head.

Once the NP swab sample has been eluted into a transport media, follow the procedure shown below in Figure 2, using the media as the “Patient Sample.” For full test instructions, refer to the Sofia Influenza A+B FIA and Sofia RSV FIA Package Inserts.

**Figure 2: Nasopharyngeal Swab Samples in Transport Media**



Please contact Quidel Technical Support at 800.874.1517 (in the U.S.), 858.552.1100 (outside the U.S.) or [technicalsupport@quidel.com](mailto:technicalsupport@quidel.com) if you have any questions regarding the Sofia Influenza A+B FIA, Sofia RSV FIA, or any Quidel product. Our hours of operation are Monday through Friday, 7:00 a.m. to 5:00 p.m. Pacific Time.

You may also visit our website at [quidel.com](http://quidel.com) for information on Quidel’s line of Rapid Diagnostics, Molecular Diagnostics, Cell Culture and Specialty Diagnostics (Bone Health and Autoimmune & Complement). Other product information available on our website includes: CPT codes, CLSI procedure guides, MSDS, and Package Inserts.

<sup>1</sup>Consult the Package Inserts for Sofia Influenza A+B FIA and Sofia RSV FIA.