

3M™ Qualitative Fit Testing Kits FT-10 and FT-30

Description



Respirator Face Fit testing is required for employees wearing tight-fitting respirators, such as disposable or reusable respirators. This procedure helps ensure the user has selected the correct size respirator and that an adequate seal against the face can be achieved in order to provide the expected protection. Fit testing can be performed either quantitatively (QNFT) or qualitatively (QLFT).

The 3M Fit Test Kit FT-10 (sweet solution) and the 3M Fit Test Kit FT-30 (bitter solution) are designed to help verify the correct fitting of certain negative pressure filtering facepiece respirator, e.g. 3M™ Aura™ Particulate respirator 9322+ or any half facepiece reusable respirator, e.g. 3M Half Mask 7500 Series. They are examples of Qualitative fit testing equipment. They are not recommended for face fit testing wearers who use a full facepiece respirator.

The FT-10 and FT-30 Kits follow the same testing procedure but use different types of fit test solutions. The FT-10 Kit uses a sweet solution based on saccharin. The FT-30 Kit uses a bitter solution based on denatonium benzoate, which can be used as an alternative to the sweet solution if the subject is unable to detect the sweet solution.

It is important not to confuse the Fit Test with the seal check that the user must perform each time they wear a respiratory protection device. The procedure for the seal check is detailed in the instructions for use.

Always follow the user instructions shown in the link below: <https://multimedia.3m.com/mws/media/2401324O/qualitative-fit-test-kit.pdf?&fn=ui-fit-test-kit.pdf>

Product Range

The kits include:

FT 10 (sweet)

- 1 instruction booklet
- 1 hood
- 2 nebulizers
- 1 FT 11 solution for the sensitivity test
- 1 FT 12 solution for the Fit Test

FT 30 (bitter)

- 1 instruction booklet

- 1 hood
- 2 nebulizers
- 1 FT 31 solution for the sensitivity test
- 1 FT 32 solution for the Fit Test

Replacements

- FT 11 solution for the sweet sensitivity test
- FT 12 solution for the sweet Fit Test
- FT 13 replacement nebulizer
- FT 14 replacement hood
- FT 15 replacement collar
- FT 31 solution for the bitter sensitivity test
- FT 32 solution for the bitter Fit Test

Components and Materials

The following materials are used in the production of the 3M™ Fit Test Kits.

Component	Material
FT-11	Water, 1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt
FT-12	Water, 1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt
FT-13	Polyvinyl Chloride, Polycarbonate
FT-14	Polyethylene, polyester
FT-15	Polypropylene
FT-31	Water, sodium chloride, Denatonium benzoate*
FT-32	Water, sodium chloride, Denatonium benzoate*

This product does not contain components made from natural rubber latex.

For MSDS information, please see 3M website.

* Denatonium benzoate may not be listed on MSDS due to low concentration.

Qualitative Fit Test Report Example

3M FT-10 or 3M FT-30

Wearer Details		RPE Details	
Name		Manufacturer	
Department		Model	
Company		Size	
Address:		Filter	
		Other PPE	
Facial Hair		Comments	
Clean Palate		Individual issued / pooled / test mask	
Medically cleared to wear RPD		Wearer was/wasn't able to don, check RPD without assistance	
Able to perform seal check?			

Fit Test Kit

(Tick appropriate box)

3M FT-10 (sweet)	
3M FT-30 (bitter)	

Sensitivity Test

Number of squeezes used in the Sensitivity Test (Circle no. of squeezes required)	Number of squeezes required at the start of the Fit Test	Number of subsequent squeezes every 30 seconds during the Fit Test
1-10	10	5
11-20	20	10
21-30	30	15

Fit Test

Exercise	Pass	Fail
Exercise	Pass	Fail
1. Normal Breathing		
2. Deep Breathing		
3. Head Side to Side		
4. Head Up & Down		
5. Talking		
6. Bending at waist		
7. Normal Breathing		
Reveal Test		
Test valid	Yes	No
Retest required? Y/N	Reason:	
Date		
Retest Date (e.g. 1 year)		
Comments		
-		
-		
-		
Signature Fit tester:	Signature RPE Wearer:	
Name:		
Company:		
Address:		

Retention Policy: This report should be kept for at least five years

Shelf Life

There is no published shelf life for the solutions. Any solution left in the nebulizers at the end of your fit test session must not be poured back into the bottles and must be discarded to avoid contamination of the solution remaining in the bottle.

Answers to other Frequently Asked Questions

Please see our FAQ document, available in English, French, German, Italian and Spanish.

English: <https://multimedia.3m.com/mws/media/2410596O/qualitative-fit-testing-frequently-asked-questions-global.pdf>

French: <https://multimedia.3m.com/mws/media/2410597O/qualitative-fit-testing-frequently-asked-questions-global.pdf>

German: <https://multimedia.3m.com/mws/media/2410598O/qualitative-fit-testing-frequently-asked-questions-global.pdf>

Italian: <https://multimedia.3m.com/mws/media/2410599O/qualitative-fit-testing-frequently-asked-questions-global.pdf>

Spanish: <https://multimedia.3m.com/mws/media/2410623O/qualitative-fit-testing-frequently-asked-questions-global.pdf>

Approvals

These products are not PPE, but are used to help assess the fit of certain Respiratory Protective Devices. They are therefore not CE marked. These products are made from components sourced globally and are assembled in the United States of America.

Wear it Right App

Fit Testing App - Designed to guide qualitative respirator fit testing following standard protocols e.g. ISO 16975-3 and INDG479. Available for use on tablets and phones supported by the Apple App Store or Google Play Store.



Important Notice

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product, it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.



Personal Safety Division
3M United Kingdom PLC
3M Centre
Cain Road, Bracknell Berkshire
RG12 8HT 0870 60 800 60
www.3M.co.uk/safety

3M Ireland
The Iveagh Building The Park,
Carrickmines Dublin 18
T: 1 800 320 500

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