

## SCOTT BITREX QUALITATIVE FIT TEST KIT



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**Standard:** AS/NZS 1715

The Scott Safety Bitrex Fit Test Kit is a qualitative respirator fit testing system which uses the harmless bitter taste of Bitrex to determine if a respirator is properly fitted to a user.

#### **WHAT IS FIT TESTING?**

A fit test is a test carried out to verify that a tight fitting respirator issued to a worker actually fits that person. Tight fitting respirators are those such as half face respirators, disposables and full face respirators, which rely on a tight seal to prevent leakage of a contaminant.

#### **HOW IS IT DONE?**

There are two basic methods, qualitative (QLFT) and quantitative (QNFT).

Qualitative methods rely on the use of an innocuous contaminant, which can easily be detected by taste or smell. Examples of contaminants commonly used include saccharin powder, bitter agents such as Bitrex, Isoamyl Acetate (banana oil vapour) and in the military, tear gas! This kind of test is usually quick and easy, and can be quite sensitive; however it does rely on the honesty of the wearer, and the tester being sufficiently experienced to generate the contaminant accurately.

A quantitative fit test requires the use of equipment like the Portacount which actually counts the particles inside and outside the respirator, making a comparison between the two results. A measurement of leakage is used and the leakage values can be recorded. There is no reliance on the judgement of the wearer.

In both cases an attempt should be made to simulate normal activities, such as, a head movement and talking, so that it can be shown that the respirator still retains an adequate seal.

#### **PRODUCT FEATURES:**

- Simple and easy to perform
- Ensures proper respirator fit
- Meets all performance criteria for AS/NZS 1715
- Large clear plastic window for better visibility

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