

## Gluten R5 FlowThrough™ Swab

For assessing the effectiveness of cleaning surfaces



**Gluten R5 FlowThrough™ Swab** test (GFT-R5) is designed to help food business operators reliably detect potential cross-contact with gluten residues due to ineffective cleaning of surfaces. GFT-R5 is one of very few tests licensed to use the 'R5 Mendez' antibody, which ensures the same reactivity to cereal gluten as the Codex recommended laboratory R5 ELISA method. This means it can be used for rapid, in-house control of surfaces to verify cleaning, as specified by the AOECs Standard. Use of the R5 antibody in the FlowThrough™ format, makes the test unique. The detection capability of the test aligns with that of the R5 Mendez ELISA and the test will not 'overload' at higher levels should they be encountered in difficult to clean sampling sites. The qualitative test has been validated with some typical disinfectants, without affecting performance, though is recommended to be used at the end of the detergent rinse. Results have also been compared to Bio-Check's confirmatory Gluten R5 Allergen-Check™ ELISA.

### Intended Use:

Cleaning verification of surfaces at line changeover and end of day 'deep cleaning'.

### PRODUCT INFORMATION:

Kit contents:	Unitised tests (Test Unit & Colour Reagent in a single bag and a separate Swab Device), instructions for use, C of A / Results form.
Detection limit	0.1 µg gluten/swab (equivalent to ~0.5µg/100cm <sup>2</sup> ).
Suitable for:	Cleaning verification of environmental surfaces (e.g. stainless steel, plastic). Not suitable for rinse waters.
Formats:	5 tests per kit ( <b>R6081</b> ); 100 tests per kit ( <b>R6085</b> )
Storage:	2°C/36°F to 8°C/46°F for up to 12 months

## GLUTEN

### Kit Features:

- Licensed R5 test
- 5 or 100 tests/kit
- Unitised tests in kits
- Will not 'overload'
- Detects 0.1 µg/swab
- Test portion is all of the swab extract

### Key Benefits:

- **Results in minutes** allows immediate onsite decisions
- **Reliable results** uses R5 Mendez antibody and format eliminates false negative results
- **Detects gluten in the presence of working strength disinfectants** though best used at the end of the detergent rinse
- **Simple to use** minimal training required

[www.biocheck.uk](http://www.biocheck.uk)

### Bio-Check (UK)

Spectrum House, Llys Edmund Prys,  
 St. Asaph Business Park, Denbighshire LL17 0JA United Kingdom

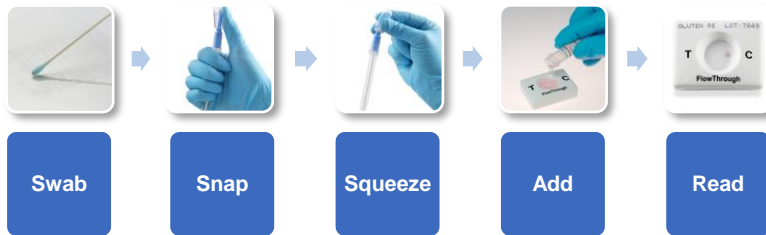
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## GLUTEN

### PROCEDURE:

The **Gluten R5 FlowThrough™ Swab (GFT-R5)** test procedure takes ~10 minutes to perform. Typically, the more difficult surfaces to clean are swabbed, using the Swab Device (SD). With the protective tube back in place, the blue rod in the SD bulb is snapped and the bulb squeezed 8 or more times to push the reagent through the swab fibres. The resulting swab extract is then squeezed onto a Test Unit (TU). Once this liquid has completely absorbed into the TU, any gluten proteins in the liquid would have bound to a Test spot (T) on the left-hand side of the TU. The binding of these proteins is revealed after the addition of a Colour Reagent to the TU, which forms a pink spot at 'T'. A pink Control (C) spot will also appear on the right-hand side of the TU to indicate that the test has worked properly.



GFT-R5 tests use well characterised antibodies as described by Mendez (Eur J Gastroenterol Hepatol. 2003 May;15(5):465) that recognise the potentially coeliac-toxic epitope QQPFP most strongly. It predominantly detects alpha-, gamma- and omega-gliadins (wheat), secalins (rye) and hordeins (barley) that serve as markers for total cereal gluten. It does not react with non-gluten containing ingredients: maize, oats, rice and soya.

### ORDERING DETAILS:

Kit name (tests/kit)	REF
Gluten R5 FlowThrough™ Swab (5)	R6081
Gluten R5 FlowThrough™ Swab (100)	R6085

#### Related products:

Gluten R5 FlowThrough™ Food (5)	R6096
Gluten R5 FlowThrough™ Food (100)	R6097

Gluten R5 FlowThrough™ Swabs can be coupled with GTF-R5 Food tests (e.g. to check first foods produced) for cleaning verification.

**Evaluate these kits for yourself and discover the benefits offered by Gluten R5 FlowThrough™ tests for onsite control. Contact Bio-Check (UK) or our local distributor.**

Swab: pre-wetted  
 Sampling: swabbing  
 Extraction: ≤1 min.  
 GFT-R5 test: ≤8 min.  
 Total Test time: ≤10 min.

### Customer Support:

Contact us to request our Validation Report

ISO 9001 certified Quality Management System

### Follow us:

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[www.biocheck.uk](http://www.biocheck.uk)

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 St. Asaph Business Park, Denbighshire LL17 0JA United Kingdom