

Gluten R5 FlowThrough™ Food

For onsite detection of gluten in raw materials & foods

GLUTEN R5 FLOWTHROUGH™



Gluten R5 FlowThrough™ Food test (GFT-R5) is designed to help food business operators reliably detect adulteration and cross-contact with gluten in a variety of foodstuffs. 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 raw materials, as specified by the AOECs Standard. Use of the R5 antibody in the FlowThrough™ format, makes the test unique. The limit of detection of the test can be adjusted to reliably detect at or below the regulatory threshold of 20mg gluten/kg and the test will not 'overload' at higher levels. The qualitative test has been validated using Proficiency Scheme, incurred, spiked and retail food samples; results have been compared to Bio-Check's confirmatory Gluten R5 Allergen-Check™ ELISA.

Intended Use:

Control of incoming ingredients, finished product, line changeover.

PRODUCT INFORMATION:

Kit contents:	Unitised tests (Extraction solution, sample scoop, mini-centrifuge tube, self-measuring pipette, diluent, foil pouched test unit, cotton bud, colour reagent), instructions for use, CoFA.
Detection limit	5-10 mg gluten/kg depending upon sample type; validated against the R5 ELISA.
Equipment:	Optional (depending upon sample type) homogeniser/blender, dry heater block, vortex/shaker, mini-centrifuge & weighing balance.
Suitable for:	Ingredients, raw & part processed/finished foods.
Formats:	5 tests per kit (R6096); 100 tests per kit (R6097)
Storage:	2°C/36°F to 8°C/46°F for up to 12 months

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Kit Features:

- Licensed R5 test
- 5 or 100 tests/kit
- Unitised tests in kits
- Will not 'overload'
- Detects 5-10 mg/kg
- Detection limit and extraction time can be varied, if required

Key Benefits:

- **Results in minutes** allows immediate onsite decisions
- **Reliable results** uses R5 Mendez antibody and format minimises false negative results
- **Detects gluten below 20 mg/kg** an important regulatory limit for levels of adulteration & cross-contact
- **Simple to use** minimal training & equipment required

www.biocheck.uk

Bio-Check (UK)

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

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PROCEDURE:

The **Gluten R5 FlowThrough™ Food (GFT-R5)** test procedure typically takes 10 minutes to perform (includes 4 min. for extraction). Cereal gluten proteins are extracted from a homogenous sample into a pre-filled extraction solution. This extract is then diluted and added to a test unit so that the cereal gluten proteins bind to a Test spot (T) on the left-hand side. The binding of these proteins is revealed after the addition of a Colour Reagent to the unit, which forms a pink spot at 'T'. A pink Control (C) spot will also appear on the right-hand side 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 QQFPF 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™ Food (5)	R6096
Gluten R5 FlowThrough™ Food (100)	R6097

Related products:

Gluten R5 FlowThrough™ Swab (5)	R6081
Gluten R5 FlowThrough™ Swab (100)	R6085

If required, the sample extracts from the GFT-R5 Food test can also be tested using Bio-Check's Gluten R5 Allergen-Check™ ELISA (after at least a 1/20 dilution). Also, Gluten R5 FlowThrough™ Swabs can be coupled with GTF-R5 Food test 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.

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Sample:	0.5g
Sample prep:	grind
Extraction:	≥4 min.
GFT-R5 test:	≥6 min.
Total Test time:	≥10 min.

Optional Items:

- Homogeniser/blender
- Weighing balance
- Vortex, shaker
- Heater block
- Mini-centrifuge

Customer Support:

Contact us to request our Validation Report and Technical Bulletins

ISO 9001 certified
Quality Management
System

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