

# AllerTrace® Rapid Tests for Food Allergen Detection



**BioFront**  
TECHNOLOGIES

## Intended Use

AllerTrace® Rapid Tests are lateral flow devices (LFDs) designed for fast and sensitive detection of allergen residues on surfaces, in food ingredients, rinse waters, beverages, and finished products. After extraction, the sample is loaded into an AllerTrace cassette and within 10 minutes results are visualized. This type of simple, rapid, and convenient presence/absence determination is ideal for use in food manufacturing facilities.

## Kit Contents

- LFD cassettes
- Extraction tubes
- Extraction tube caps
- Extraction tube filter tips
- 0.3 ml transfer droppers
- Extraction buffer (dropper bottle)
- Detachable foam extraction tube rack

## Kit Accessories

- Surface swabs
- 0.3 ml transfer droppers
- 0.1 g sample scoops

## Storage and Stability:

- Storage: 2-8°C
- Shelf-life: 1 year

## The AllerTrace Advantage

- Easy to use
- Ideal for on-site analysis
- No equipment required
- No setup time (ready-to-use components)
- Quick results (10-minute sample incubation)
- Sensitive and specific detection of major allergens
- Perform multiple assays on a single extraction

## AllerTrace® Rapid Tests

Cat No.

Product Name	10 tests	20 tests
AllerTrace Peanut	AT-PNT-10	AT-PNT-20
AllerTrace Milk (Casein)	AT-CAS-10	AT-CAS-20
AllerTrace Almond	AT-AMD-10	AT-AMD-20
AllerTrace Cashew	AT-CSH-10	AT-CSH-20
AllerTrace Hazelnut	AT-HZN-10	AT-HZN-20
AllerTrace Lupin	AT-LUP-10	AT-LUP-20
AllerTrace Mustard	AT-MST-10	AT-MST-20
AllerTrace Sesame	AT-SES-10	AT-SES-20



To receive full product validation reports or to obtain pricing information, contact:

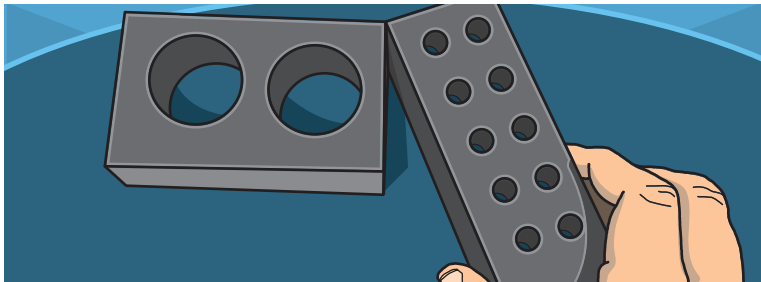
**Ph:** 1-850-727-8107

**E:** [info@biofronttech.com](mailto:info@biofronttech.com)

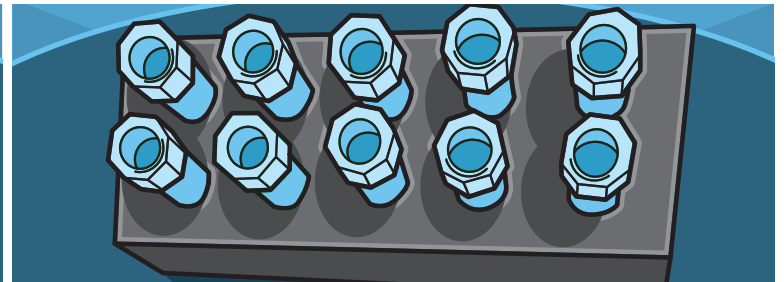
**W:** [www.BioFronttech.com](http://www.BioFronttech.com)

# AllerTrace Rapid Test Procedure

## Extraction Rack Preparation



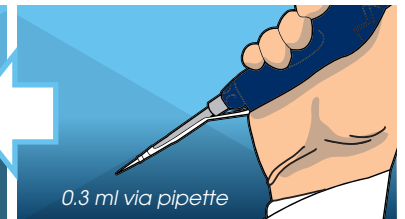
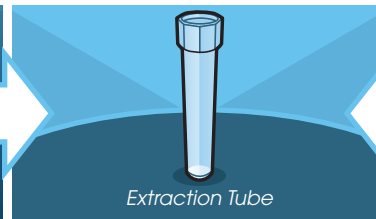
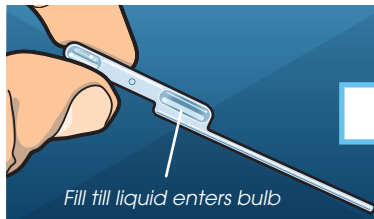
Detach extraction tube rack from rest of foam insert



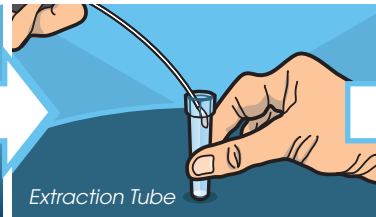
Add desired number of extraction tubes to detached extraction rack

## 1. Sample Preparation

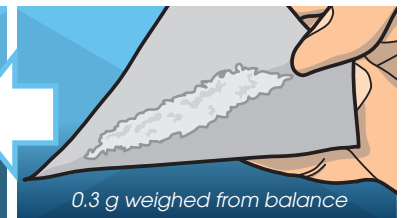
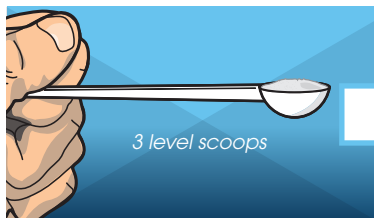
**A** For liquid samples, use a pipette or transfer dropper (provided) to measure/add 0.3 ml to extraction tube



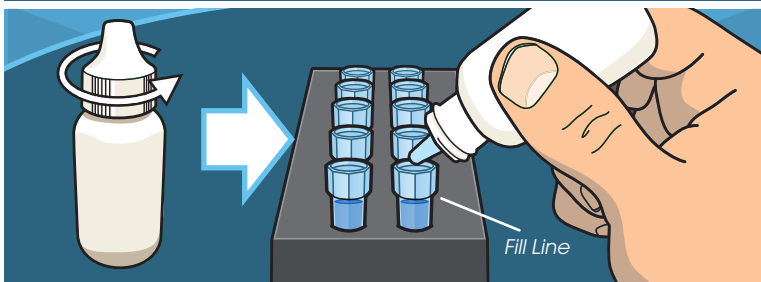
**B** For surface swabs, collect sample from 100 cm<sup>2</sup> area (be sure to rotate tip while swabbing) and then break off into extraction tube



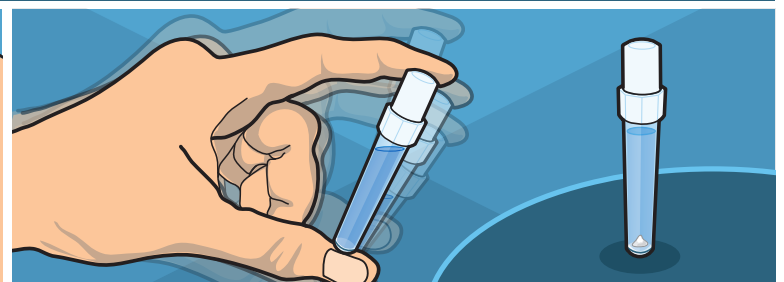
**C** For finely ground finished products, use balance to weigh 0.3 g of sample or measure/add using disposable sample scoop



## 2. Sample Extraction

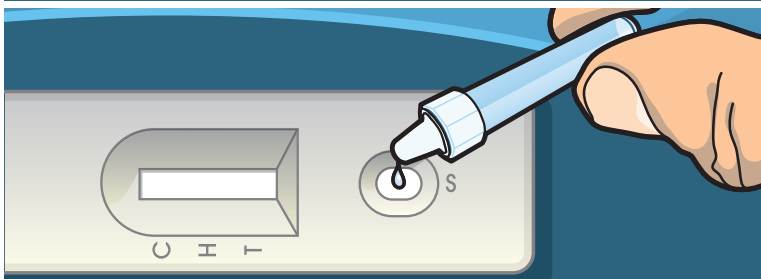


Remove cap from Extraction Buffer dropper bottle and fill extraction tube to base of crown (see fill line above) with extraction buffer



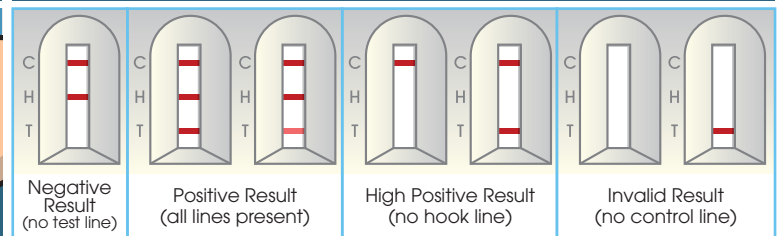
Cap extraction tube, shake gently for 1 minute, let stand for 1 minute.

## 3. Sample Loading



Remove cap, place filter tip on extraction tube, slowly add 5 drops to sample port

## 4. Results



C — Control Line    H — Hook Line    T — Test Line

Read AllerTrace Rapid Test at 10 minutes and interpret results as described above