




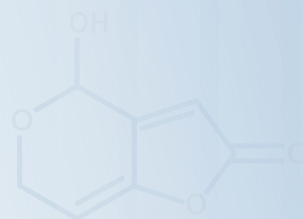
Patulin, also known as PAT, is a toxic secondary metabolite produced by molds such as *Penicillium* and *Aspergillus*. It is commonly present in various moldy fruits, vegetables, and silage feed, with a particularly severe contamination in apples and their processed products. Patulin can cause significant damage to human neural, respiratory, and urinary systems, potentially leading to symptoms such as nerve paralysis, pulmonary edema, and renal failure. Moreover, it may pose risks of affecting fertility, causing birth defects, and being carcinogenic.

PATULIN



**According to the World Health Organization (WHO),
the maximum acceptable level of Patulin is:**

-  50 µg/L in apple juice
-  50 µg/kg in solid apples
-  10 µg/L in kids and baby apple-based foods



Patulin Rapid Test Kit:

We offer rapid tests for both quantitative and qualitative detection of Patulin in vegetables, fruits, and their products, based on lateral flow technology.

Advantage:

| Oder Code | Produrt Name | Technology | LOD $\mu\text{g/kg}$ (ppb) | LOQ $\mu\text{g/kg}$ (ppb) |
|---------------|---|--------------|----------------------------|----------------------------|
| YRACM5001-001 | Patulin(PAT) Fluorescence Quantitative Rapid Test Kit | Fluorescence | 10 | 20 |



Key Features:

Fast Turnaround: Sample preparation takes ~20 minutes; detection requires only 9–15 minutes.

Flexible Options: Available in both quantitative (fluorescence or colloidal gold) and qualitative formats, meeting diverse testing needs.

Wide Linear Range: Quantitative kits cover 0–200 $\mu\text{g/kg}$, suitable for regulatory threshold detection

Strong Specificity: No cross-reaction with major mycotoxins and related compounds

User-Friendly: Simple operation with disposable test strips/cassettes and clear interpretation (visual or reader-assisted).

Portable and On-Site Applicable: Compatible with matched portable incubators and readers, suitable for field testing.

Cost-Effective: Reduces reliance on expensive, time-consuming confirmatory methods while providing rapid screening capability.



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