

Intended Use

A rapid, qualitative screening tool for the preliminary detection of illegal formalin (formaldehyde). Unlike traditional Schryver's tests, this kit features superior selectivity and an optimized Limit of Detection (LOD) designed to minimize false positives caused by naturally occurring formaldehyde in certain seafood. It is intended for on-site use by consumers, vendors, and health officers to identify added preservatives in seafood, meat, and vegetables.

Testing Procedure

Kit Contents



Dropper bottle



Small spoon



Manual

Important Pre-Test Information

STORAGE



2 – 8 °C

SAFETY



1



Sample Prep

Put a food sample or water for soaking food into a test spoon



2



Add Reagent

Add 1 drop of the test solution



3



Mix (10-20 sec)

Gently mix for 10-20 seconds.



4

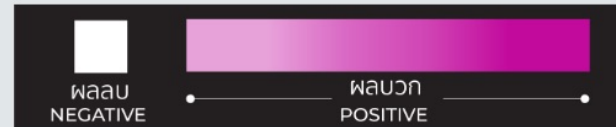


Incubate

Wait 1- 2 minutes



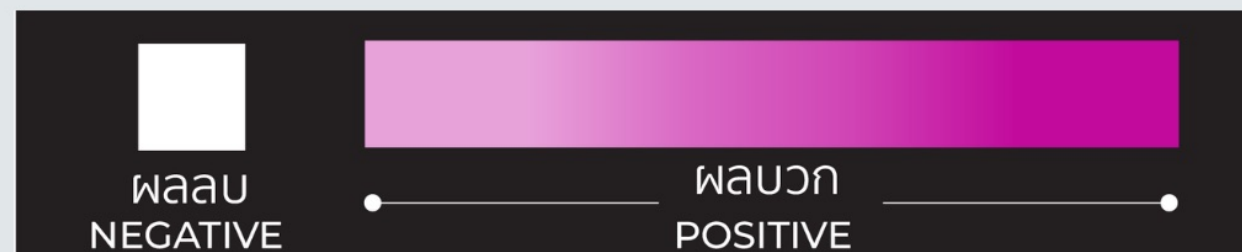
5



Read

Read the results and compare with the standard color chart

Result Interpretation



POSITIVE

Pink
from colorless solution



NEGATIVE

NO Significant
Color Change

Limitations and Legal Disclaimer

Presumptive Screen Only: This kit is a qualitative screening tool for preliminary detection. It is NOT a confirmatory analytical device or admissible legal proof of contamination. **Technical Constraints: Optimized LOD:** While designed to distinguish added formalin from natural background levels found in seafood, extreme biological variations or non-standard food matrices may still affect the visual readout. **Selectivity:** This kit is engineered to be more selective than Schryver's test; however, results may still be influenced by high concentrations of specific organic compounds.

Required Action: Do not initiate legal action, destroy commercial inventory, or publicly accuse suppliers based solely on these results. A "Positive" result indicates the likely presence of added formalin and must be confirmed by a certified analytical laboratory using a standard methods such as spectrophotometry (Chromotropic Acid method) or HPLC. **Liability:** Sure Scientific's liability is strictly limited to the replacement of a defective test kit or a refund of its purchase price. The manufacturer assumes no responsibility for health outcomes, business losses, or legal consequences arising from the use or interpretation of this screening tool.