

An Easy, Cost-Effective and Innovative Milk Adulteration Test Kit

prompt[®]
DETECTO
Rapid Milk Adulteration Detection Strip



On-ground challenges of conventional dip-stick and paper-based tests

Restricted Detection Range and Sensitivity:

Simple strips can identify the presence of adulterants (such as urea, starch, detergent, etc.) but do not indicate their exact concentration.

Stability / Shelf Life:

Strips rely on reagents dried onto paper; over time, exposure to temperature and humidity can deteriorate their performance.

False Negatives and False Positives:

Lighting conditions, milk types (full-fat vs. toned) and user handling can all influence how color changes are interpreted.

Cross-Reactivity:

Misinterpretation may occur when one adulterant masks another.

Complexity of Adulteration:

Many adulterants, such as artificial milk, or the presence of complex chemical compounds, are difficult to identify solely with basic chemistry.

User Training:

Although marketed as easy-to-use tools, accurate interpretation of color changes and correct dipping time still requires clear user guidance.

Presenting

prompt[®] **DETECTO** Rapid Milk Adulteration Detection Strip

A rapid, field-ready screening kit designed to detect the presence of common milk adulterants.

The kit supports quick decision-making at milk collection and processing stages, helping dairies strengthen quality control and safeguard milk purity before processing.



Key Benefits

- Defined LOD-based screening for consistent adulterant detection
- Standardized color references for improved result interpretation
- Multi-adulterant coverage for broader quality screening
- Stable reagent performance across the product shelf life
- Reduced cross-reactivity for clearer test outcomes
- Simple operation for quick user adoption

Result Interpretation

Adulterant	LOD	Screening Time
Urea	0.2%	2 min
Sodium hydroxide (Neutralizers)	0.1%	1 min
Sodium carbonate (Neutralizers)	0.1%	1 min
Sodium bicarbonate (Neutralizers)	0.1%	1 min
Detergent	0.1%	2 min
Hydrogen Peroxide	0.1%	1 min
Salt	0.3%	2 min
Ammonium sulphate	0.3%	2 min
Starch	1%	3 min
Boric acid	1%	3 min

Prompt Equipments Private Limited

7th Floor, Shaligram Corporates, C. J. Marg, Iskcon - Ambli Road,
Ahmedabad, Gujarat, India - 380058

www.promptdairytech.com | info@promptdairytech.com | Follow us on:

For more information, call us: +91 75730 01132

30 prompt
Years of
Innovation
and Trust