



PasLite Test for Dairy Products

Product Overview

The PasLite Test is an internationally accepted method used by dairies and food manufacturers to verify HTST pasteurization for many types of dairy products, including fluid white milk, flavored dairy, non-flavored dairy, and solid/semi-solid dairy, such as cheese and ice cream.

The PasLite test verifies the completeness of milk pasteurization by detecting Alkaline Phosphatase. Alkaline Phosphatase is a natural milk enzyme that is destroyed by conventional pasteurization. This makes Alkaline Phosphatase an excellent marker to verify destruction of pathogenic microorganisms in HTST pasteurized dairy products.

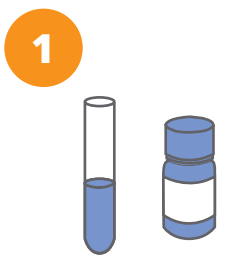
PasLite is granted approval by US National Conference of Interstate Milk Shipments (NCIMS), New Zealand Ministry of Agriculture and Forestry (MAF), and Tasmanian Dairy Industry Authority (TDIA).

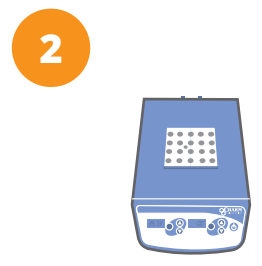



Benefits of PasLite Test Include:


- Achieves results in 3 minutes
- Fluid whites, creams, flavored milks, cheeses, and more
- Detection Limit: 20 mU/L (approximately 0.002% raw milk)
- Ability to run 6 samples at once
- NCIMS, MAF, and TDIA approved
- Approved International Standard (ISO 22160/IDF 209)

Simple Procedure

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Combine Sample and Reagent AP
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Incubate
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Add Stopping Solution
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Read using the Charm novaLUM® II-X System.

Integration with HARCP

Hazard Pathogens, e.g.	Control Measures	CCP Measures	Critical Limits	Target Values	HARCP Tests	WaterGiene Swab mean RLU [% Positive]
Listeria Salmonella Brucella Yersinia <i>E.Coli</i> <i>S. Pyogenes</i> <i>S. Aureus</i> Campylobacter	Correct Design & Operation HTST unit System validation with PasLite when seal broken	Time Temperature Definition EE. Section I, P.M.O. Not applicable at higher temperatures with less than 2 second hold time	Not less than 72 oC or 161 oF for 15 secs Less than 350 mU/L Alkaline Phosphatase	e.g., 73 oC/163 oF for 15 secs 0 to 43 mU/L Alkaline Phosphatase values greater than 100 mU/L should be investigated	Time/Temp/Flow Rate Record of non-conformance > 350 mU/L PasLite result.	Repasteurize Determine Phosphatase Type: <i>Residual Microbial Reactivated</i>

Ordering Information

Order Codes	Each Kit Includes
PAS-ISO-25K	Reagent AP, Stopping Solution, Calibrator Tablets, Microtube Adapter, and Reconstitution Vial with Cap
PAS-ISO-100K	
PAS-ISO-500K	

See Operator's Manual for additional kits and order codes.