

ZymoSnap PRO is a rapid bioluminogenic action of Protease enzymes on the test method for the detection of Proteases in milk samples. The test consists of a Collection Device to buffer the milk sample and a Detection Device containing a bioluminogenic substrate.

The detection reaction is measured using a small portable luminometer. The two step test procedure requires a 60 minute technique in a laboratory or other incubation at 37 °C. The

specific substrate in the Detection Device creates light that is measured using a luminometer. The light output is directly proportional to the Protease concentration in a sample.

The test is intended to be used by an analyst with experience in aseptic controlled environment facility

Benefits:

- → Results in 2-5 minutes
- \rightarrow 2 minute quick-test or 5 minute enhanced sensitivity test methods
- → Liquid -stable chemistry eliminates the need to reconstitute a pellet, giving more accurate results with less variation
- → Unique patented Snap-Valve[™] design reduces user variation
- ightarrow Pre-wetted swab breaks through biofilm and aids in sample collection
- \rightarrow Environmentally conscious design uses 50% less plastic than other tests
- → Test devices are 100% recyclable
- → 12 month shelf life at refrigerated temperatures (2°C -8°C)

Sensitivity:

- → Detects to 0.1% or less of raw meat or fish
- \rightarrow Optional incubation for enhanced sensitivity

Catalog No.	Description	Quantity
ZS-ALP-100	ZymoSnap, Alkaline Phosphatase	100

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ZymoSnap Procedure:

Step 1: Collection of Sample





 Allow devices to
 Collect Milk 9

 equilibrate to room
 Add 1 ml. Mi

 temperature. Shake
 to Collection

 tube by tapping on
 (ZS-PR050C)

 palm of your hand 5
 times to bring liquid in

Collect Milk Sample: Add 1 ml. Milk sample to Collection Device

Reinsert swab into tube and seal firmly

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Activate device by bending bulb forward and backward



Squeeze bulb to release liquid into tube. Most liquid should be in the bottom of tube



Shake the tube gently to mix sample in liquid

Step 2: Detection of Protease



tube to bottom of tube.

Aseptically transfer 75µL of sample from Collection Device (ZS-PRO50C) to Detection Device (ZSPR050D)



Incubate device for 60 minutes at 37 ± 0.5 °C



. Activate Detection Device (ZS-PR050D) by bending bulb forward and back. Squeeze bulb to release liquid into tube.



Shake tube gently to mix sample in liquid



Insert device in luminometer and initiate measurement. Record results as RLUs and refer to table to interpret results.

Catalog No.	Description	Quantity
	Digital Dry Block Incubators	1
	MicroSnap Total	100
	MicroSnap Coliform	100
	MicroSnap E.coli	100
	MicroSnap Enterobacteriaceae	100

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