

Title: 3M™ Microbial Luminescence System [MLS] Ultra High Temperature [UHT] Dairy Screen reagents reconstitution and stability

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Technology Platform: 3M™ Microbial Luminescence System [MLS]

Originating Location: St. Paul, Minnesota

This technical bulletin provides a quick reference to the reconstitution and stability of the 3M™ MLS UHT Dairy Screen reagents.

Extractant - Used to extract ATP from Microbial Cells

- Ready to use, stable at room temperature
- May be left on the instrument at all times
- 12 month shelf-life (see expiration date)

ATPase - Used to destroy the free-ATP in the product

- Prior to rehydration - has 6 month shelf-life (see expiration date)
- Reconstituted with **1 bottle** of **ATPase Buffer**
- Stability - Once rehydrated must be used within **2 days**
- When ATPase is not in use for a period of hours, store in refrigerator
- Use at room temperature, never cold
- Never heat reagent by waterbath, microwave, or flame
- One bottle is enough for **150 Tests** (except 3M™ MLS UHT Dairy Screen Kit, catalog number 3090)

L/L1 - Luciferin/Luciferase is used to react with ATP to produce Light

- Prior to rehydration - has 12 month shelf-life (see expiration date)
- Reconstituted with **1 bottle** of **L/L1 Buffer**
- Stability - Once rehydrated must be used within **5 days**
- When L/L1 is not in use for a period of hours, store in refrigerator
- Use at room temperature, never cold
- Never heat reagent by waterbath, microwave, or flame
- One bottle is enough for **300 Tests** (except 3M™ MLS UHT Dairy Screen Kit, catalog number 3090)

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