

Melamine Rapid Test Kit Art. No.: 400002-96T

Melamine is a common industry chemical, which was used illegally in milk to increase the protein content measured by classic Kjeldahl method. Milk products prepared from milk contaminated with melamine will directly damage the urinary system, for instance, it will cause kidney stone in infant, whose main food is milk powder. FAO has set a strict MRL to melamine in milk, other countries, such as China, USA also set MRLs.

This product utilizes the high affinity of monoclonal antibody against melamine, which can easily identify its contamination in samples without any instrument. The detection limit of the kit is 50ppb.

1. Detection Limit (LOD): 30 ng/g (ppb)

2. Kit components

- Test Strip, 96 pcs in 12 plastic bottles, 8 pcs / bottle.
- Kit insert

3. Solution preparation: raw milk sample shall be brought to room temperature before test.

4. Assay Steps

- Read the instructions before experiment. Bring the test kit and samples to room temperature.
- Take out required wells and strips, and make proper marks. Please use the test strips within 1h. Seal the cap of the bottles and store the unneeded kit.
- Take **200ul** of the milk sample with micropipette into the microwell, then repeatedly absorb up and down to mix the sample with the reagent in the wells completely. The mixture should be pink, and then start the timer.
- Incubate for 5min at room temperature. Insert the test strip into the well with the "**MAX**" end fully dipped in to the mixed reagent and sample.
- Incubate for 5min at room temperature. Take out the strip; determine the result according to **Part 4**.

5. Result Determination

Positive (+): Line C is red, line T has no color or has weaker color than OR the same as Line C.

Negative (-): Line T and Line C are both red. Line C has **weaker color** than Line T

Invalid (x): Line C has no color. In this case, please reread the instructions and repeat assay with new strip.

Notice: If the result of the strip needs to be recorded, please cut the "MAX" end, and dry the strip, then keep it as file or paste in your recording book.

6. Storage

2-8°C in cool dark place, do not freeze.
The kit is valid for 12 months.

Lot number and expired date are printed on the package.

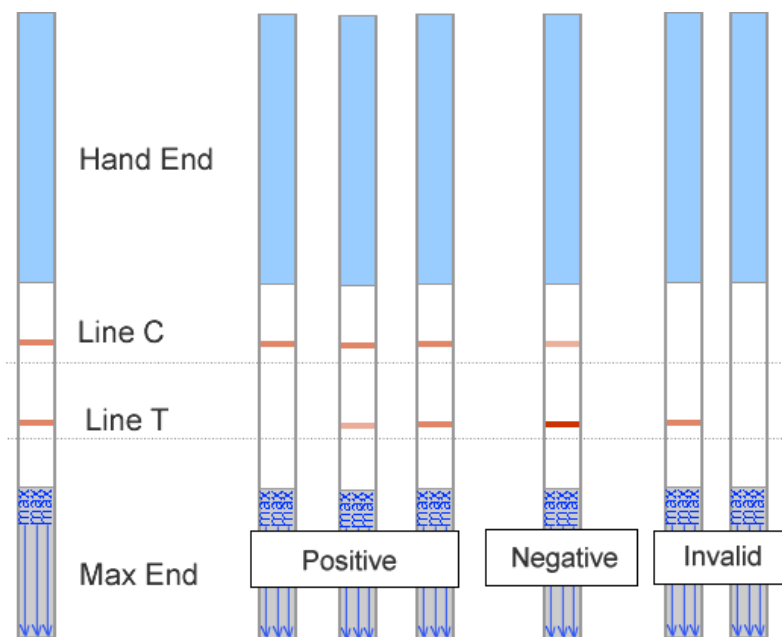
7. Notice and Precautions for a successful experiment.

Please perform the assay following the instruction, do not touch the membrane of the strip.

Please seal the bottle after taking out required strips.

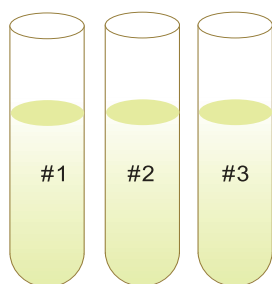
This strip is used for only once; please do not use it repeatedly.

This kit is only for screening test, positive result should be further confirmed with other method.

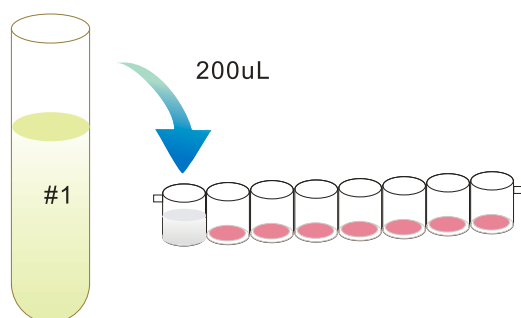
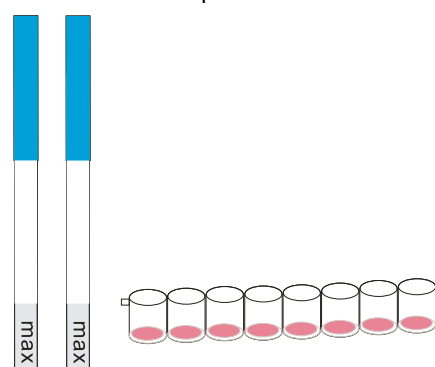


Schematic Assay Steps

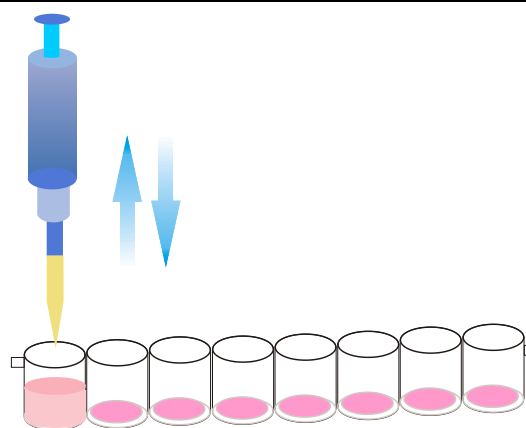
1. Bring all test samples to room temperature; number them to keep record.



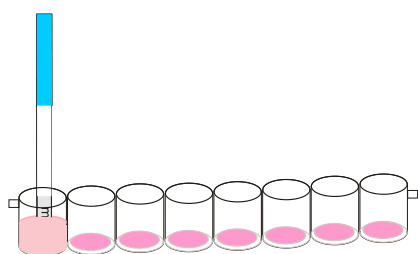
2. Take test kit according to your sample number and also number the kit wells to keep record and consistency.



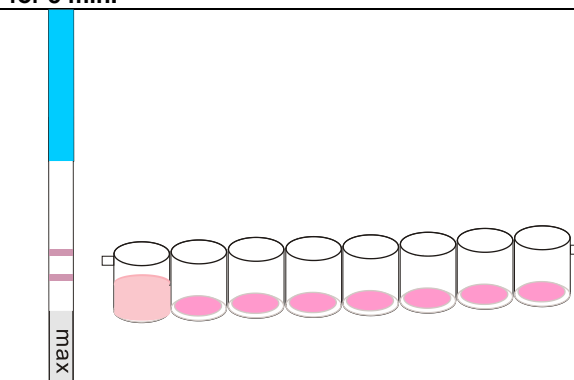
3. Take 200uL sample into the wells using pipet. You can also then put the well into the well holder to avoid sample spill.



4. Absorb up and down for 5 times to mix sample with reagent completely. Start the timer when the mixture is pink. **Incubate for 5 min.**



5. Insert the "MAX" end of the strip into the mixture; **Incubate for 5min at room temperature again.**



6. Take out the strip; judge the result according to kit instruction.

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