

LIQ-A-TEC KIT™

Introduction

The LIQ-A-TEC™ Kit is designed to detect the presence of amniotic fluid and should be used as an aid to clinical judgement when a patient presents with ? Spontaneous Rupture of Membranes (?SRM). The test is rapid and simple involving a colour change and the interpretation of that colour change.

The test will differentiate between urine, vaginal fluid, blood and amniotic fluid.

Two test procedures are recommended:

1. Speculum in place

- a. If a speculum has been inserted into the vagina, a sample of any fluid should be taken with a sterile swab (supplied with the kit).
- b. Withdraw the swab and add a drop of the test reagent to the swab.
- c. Observe for colour change. This will develop instantly.

2. Using the patient's sanitary towel

- a. Using the dropper bottle, a drop of the test reagent should be spotted to 3 or 4 different points across the towel.
- b. Observe for colour change. This will develop instantly.
- c. Some towels contain a gel which tends to absorb fluids from the surface fabrics. If this should occur press the surface of the site of the drop to fully appreciate the developed colour.

Interpretation of developed colours

1. Yellow Not Amniotic Fluid Probably urine
 2. Yellow/Sea Green Not Amniotic Fluid Probably urine or vaginal secretions
 3. Mid/Dark Green Amniotic fluid or blood
 4. Blue Amniotic Fluid.
- * It is assumed that the user will observe any blood contamination on the swab or the towel and will abandon the test. If a dark green colour develops where blood contamination is absent, the presence of amniotic fluid is indicated.

Control of Substances Hazardous to Health (COSHH)

The test reagent is a non-hazardous fluid. It can be safely mopped up if accidentally spilled or flushed to waste.

Storage

The kit should be stored at room temperature in the box.

Shelf life

The kit has a shelf life of 2 years from the date of manufacture.

Positive and Negative Controls

These controls should only be used on a once-a-week basis to ensure that the reagent is working.

IT IS NOT PART OF THE ROUTINE TESTING PROCEDURE.

It is recommended that the user confirms that the reagent is working correctly as follows::

Add 1 drop Negative control to a swab
Add 1 drop LIQ-A-TEC™ Reagent
A yellow colour should develop

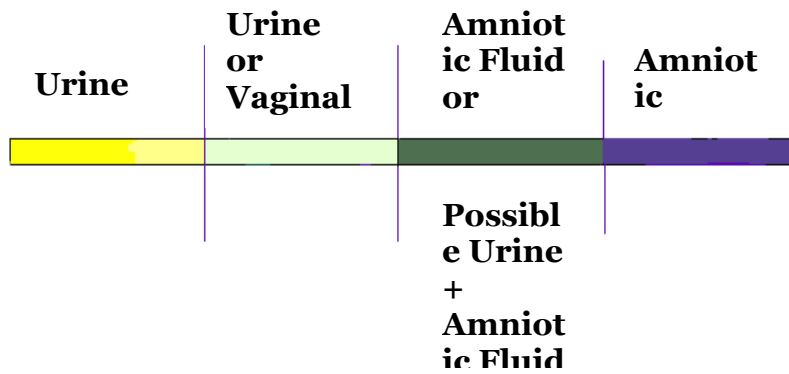
Add 1 drop Positive Control to a swab
Add 1 drop LIQ-A-TEC™ Reagent
A dark green colour should develop

If these colours are not observed the LIQ-A-TEC™ Reagent is not working properly and should be discarded.

Notable points and limitations of test

1. Excessive urine on the towel or in the vagina may render the test invalid.
2. This test should be considered an aid to clinical judgement and any result obtained should not be considered diagnostic.
3. A towel soiled with amniotic fluid which has dried will still give a positive result.
4. The presence semen can give a false positive result.
5. Test reagent which appears turbid should not be used.
6. Test reagent which appears other than red/orange should not be used. If it appears yellow, green or blue it should be discarded.
7. Only the swabs supplied with the kit should be used. Certain swabs are unsuitable for use with this kit and if used may produce an erroneous result.
8. Do not touch the swab or the patient's towel with the tip of the dropper.
9. Do not attempt to clean the tip of the dropper bottle with tap water. Wipe with a clean cloth and rinse the nozzle by dropping a few drops of the reagent from the bottle.
10. A dry new towel will give a negative result (yellow).
11. If the swab touches a gel used as a speculum lubricant a false positive result may occur. However the gel tends to cover only a patch of the swab (does not saturate the swab) and should be readily recognised as gel contamination.
12. The reagent dropper bottle contains >500 drops. This volume should allow around 200 tests (50 swab tests + approximately 150 towel tests) depending on the number of drops used/test.

APPROXIMATE COLOUR GUIDE FOR THE **LIQ-A-TEC** KIT



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