

STANDARD OPERATING PROCEDURE

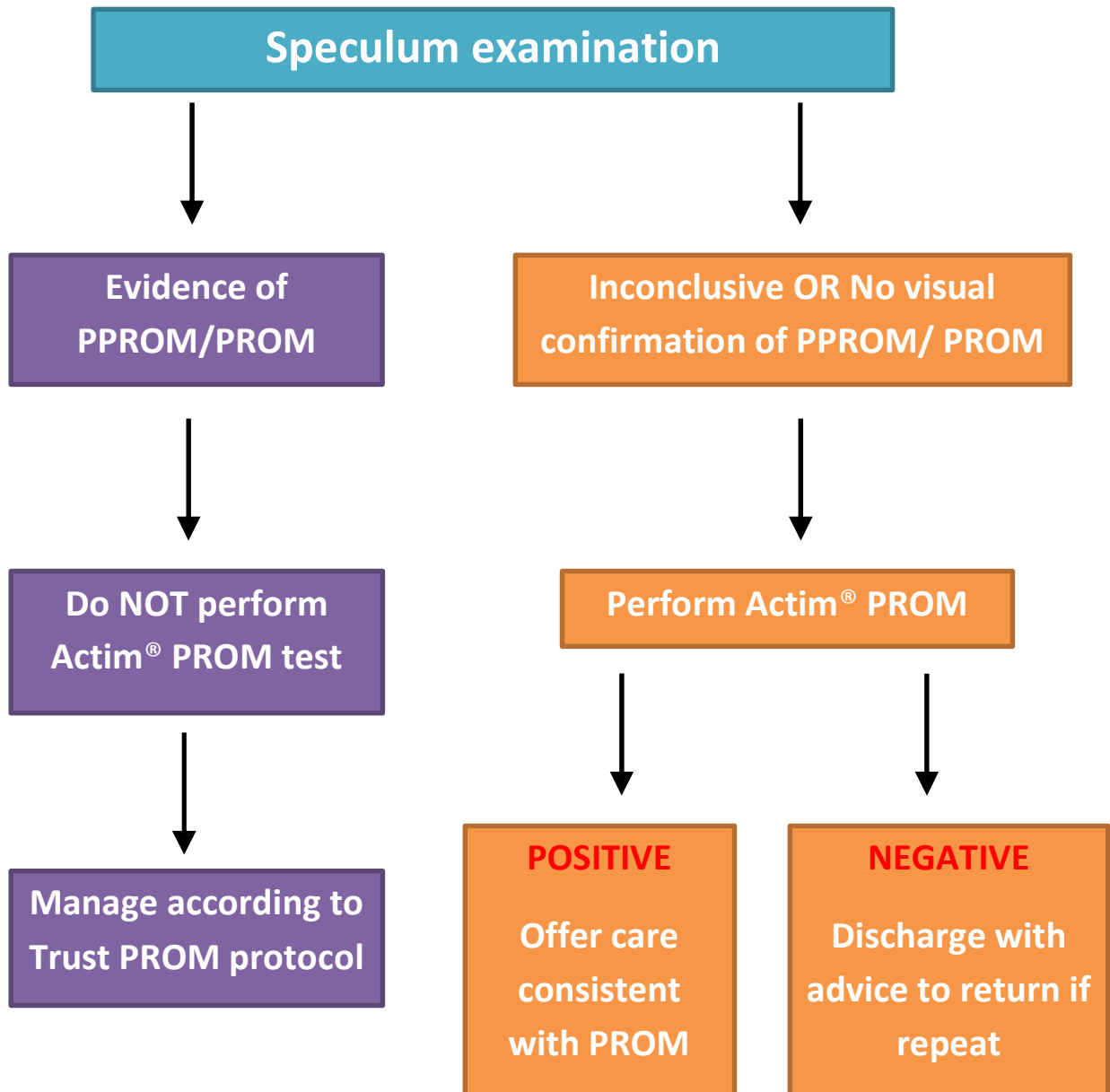
Actim[®] Prom test: Insulin-like growth factor binding protein-1 test

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ACTIM[®] PROM

PROM: PRE-LABOUR RUPTURE OF MEMBRANES/ PPROM: PRETERM PRE-LABOUR RUPTURE OF MEMBRANES



Please note that the following are **NOT** contraindications for the Actim[®] PROM test:

- Sexual intercourse
- Small amount of blood in the vagina

Please note that the following **ARE** contraindications for the Actim[®] PROM test:

- Visible liquor on speculum/ draining
- Heavy vaginal bleeding
- Cessation of possible liquor draining >12 hours

PURPOSE
<p>The purpose of this Standard Operating Procedure (SOP) is to ensure that all staff can understand the indications and pathway for these women who present with an uncertain history of pre-labour rupture of membranes.</p> <p>The incidence of pre-labour rupture of membranes at term is 6-19% (NICE CG70, 2008). Pre-labour spontaneous rupture of membranes (PROM) is not usually a problem at gestations above 37 weeks, but the diagnosis of PROM is important as once the membranes have ruptured the risk of infection to mother and infant may increase.</p> <p>In women presenting with PROM 60% will go into labour within 24 hours (NICE CG55, 2007). In women presenting with PROM the risk of serious neonatal infection is 1% rather than 0.5% for women with intact membranes (NICE CG55, 2007).</p>
OBJECTIVE
To be able to perform an Actim PROM test when clinically indicated
SCOPE
<p>This guidance is relevant to following staff groups:</p> <ul style="list-style-type: none"> • All midwifery and maternity assistant staff who work in maternity • All medical staff working within the Obstetrics and Gynaecology team – Consultants, Middle Grades and Juniors
COMPETENCIES
As per Trust Point of Care guidelines
INDICATIONS / PATHWAY
<p>Diagnosing preterm pre-labour rupture of membranes (PPROM) NICE guideline (NG25, 2015 & 2019)</p> <ul style="list-style-type: none"> • In a woman reporting symptoms suggestive of P PROM, offer a speculum examination to look for pooling of amniotic fluid and: <ul style="list-style-type: none"> ○ If pooling of amniotic fluid is observed, do not perform any diagnostic test but offer care consistent with the woman having PPROM ○ If pooling of amniotic fluid is not observed, perform an insulin-like growth factor binding protein 1 test of vaginal fluid • If the results of the insulin-like growth factor binding protein 1 test is positive, do not use the test results alone to decide what care to offer the woman, but also take into account her clinical condition, her medical and pregnancy history and gestational age, and either: <ul style="list-style-type: none"> ○ Offer care consistent with the woman having PPROM or ○ Re-evaluate the woman's diagnostic status at a later time point. • If the results of the insulin-like growth factor binding protein 1 or placental alpha-microglobulin 1 test are negative and no amniotic fluid is observed: <ul style="list-style-type: none"> ○ Do not offer antenatal prophylactic antibiotics ○ Explain to the woman that it is unlikely that she has PPROM, but that she should return if she has any further symptoms suggestive of PPROM or preterm labour • Do not perform diagnostic tests for PPROM if labour becomes established in a woman reporting symptoms suggestive of PPROM.

PROCESS
<ul style="list-style-type: none"> • Collect sample with or without speculum • Hold the swab in vagina for 10-15 seconds • Extract specimen • Place the swab in the Specimen Extraction Solution, swirl around vigorously for 10-15 seconds, and discard the swab • Place the yellow dip area into the extracted sample and hold it there until you see the liquid enter the result area • Remove the dipstick from the solution and place it in a horizontal position • Actim® PROM is interpreted digitally with Actim® 1ngeni instrument • Interpretation of results: <ul style="list-style-type: none"> ○ A positive = membranes ruptured ○ A negative result = membranes intact • Place a result label in the Point of Care record book in Dirty Utility on Labour Ward <p>Please note that the following are NOT contraindications for the Actim® PROM test:</p> <ul style="list-style-type: none"> • Sexual intercourse • Small amount of blood in the vagina <p>Please note that the following ARE contraindications for the Actim® PROM test:</p> <ul style="list-style-type: none"> • Visible liquor on speculum/ draining • Heavy vaginal bleeding • Cessation of possible liquor draining >12 hours
RESPONSIBILITES
All clinical staff are responsible for complying with this policy
AUDIT
Regular audit of our use of Actim PROM should be performed

References: -

1. NICE Guidance (NG 25): 2015 Preterm labour and birth
2. <https://www.medixbiochemica.com/en/actim-rapid-test/actim-prom/>