World-class Pioneers

Medix Biochemica specializes in monoclonal antibodies and diagnostic tests for numerous medical conditions. We have succeeded in combining the scientific community and hightech diagnostics. More than twenty years ago, we were one of the first companies in the world to produce monoclonal antibodies. We immediately understood their enormous potential in healthcare. Today we are a dynamic high-tech corporation with a global customer base.



As a result of our respected global reputation, more than 150 companies in over 30 countries use MedixMAB monoclonal antibodies and numerous laboratories and physicians rely on our Actim diagnostic healthcare tests. High quality has always been the cornerstone of all our operations. Our entire company is certified as being in conformity with ISO 9001:2000. In addition, operations related to diagnostic test kits including controls and reagents are ISO 13485:2003 certified. We also value research and development.

A substantial part of our turnover is still devoted to R&D. Our expertise covers the whole production chain from raw materials (monoclonal antibodies) to finished products, such as the Actim diagnostic tests.



actim™

Reliable test results in minutes



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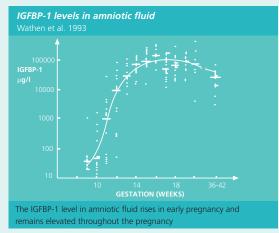
The original rapid test to detect premature rupture of fetal membranes

Premature rupture of fetal membranes (PROM) is a serious pregnancy complication that causes approximately one third of premature deliveries. Prematurity increases the risk of perinatal morbidity and mortality. Additionally, PROM increases the risk of maternal and fetal infections. Although an accurate diagnosis is vital, traditional methods are highly insufficient. They frequently give wrong results, and they are sensitive to contaminating substances, such as blood, semen, and cervical mucus.

A decade ago, Medix Biochemica was the first in the world to create a reliable method to detect PROM. Since then, hundreds of thousands of women have benefited from the test's superior performance. Actim PROM is a fast immunochromatographic dipstick test that reacts to the presence of amniotic fluid in vaginal secretions. Based on monoclonal antibodies, it detects IGFBP-1 (insulin-like growth factor binding protein-1) in a vaginal sample. Since the concentration of IGFBP-1 is substantially high in amniotic fluid, finding IGFBP-1 in the vaginal sample indicates a membrane rupture (PROM).

Well established and widely used

Research findings show that the level of IGFBP-1 in amniotic fluid increases significantly in early pregnancy and remains high throughout. The Actim PROM test can, therefore, be used since the early stages of pregnancy.



The test has been evaluated in several independent studies around the world. All of them have constantly proven that it is an extremely specific and sensitive method to detect premature rupture of fetal membranes. Therefore Actim PROM provides results you can always rely on.

Evaluation studies on the Actim PROM test as a method

Publication	of patients	age (wk)	Enu-point	sensitivity	specificity	NFV	PPV
Rutanen et al. 1996	130	15–37	Clinical confirmation	100%	94.7%	100%	93.2%
Ragosch et. al 1996	. 75	22–41	Clinical confirmation Dye injection	•	83%	100%	83%
Jain et. al. 1998	100	24–42	Clinical confirmation	100%	89%	100%	75%
Erdemoglu et. 2004	al. 71	31.9±5.3	Clinical confirmation	97%	97%	97%	97%
Kubota et. al. 1998	48	15–41	Clinical confirmation	94.7%	93.1%	N/A	N/A

Actim PROM is a highly specific and sensitive method to detect a

Superior performance

Compared to other methods commonly used for detecting PROM, Actim PROM clearly surpasses them in performance. Neither the specificity nor sensitivity of other methods comes even close to the reliability of Actim PROM.

Kubota & Takeuchi 1998							
	Actim PROM	рН	Ferning				
Sensitivity	94.7	73.3	42.1				
Specificity	93.1	72.4	75.9				

Actim PROM is the most reliable test for detecting premature

Reliable results regardless of contaminating substances

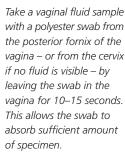
The concentration of IGFBP-1 in amniotic fluid is 100–1000 times higher than in maternal serum, so its presence in a sample is a very clear indication of ruptured fetal membranes. The detection limit of the test is so low that it even detects micro ruptures.

Semen and urine contain insignificant quantities of IGFBP-1. Since amniotic fluid can only be present in the vagina if fetal membranes are no longer intact, the presence of IGFBP-1 in the sample is a reliable indication of a membrane rupture. Blood contamination is extremely unlikely to affect the test results, since the 95th percentile of normal IGFBP-1 levels in maternal serum falls below the test's detection limit.

Rutanen et al.1993	
Sample	Concentration of IGFBP-1
Normal adult serum	0.5–30 μg/l
Serum (pregnancy)	58–600 μg/l
Urine	Undetectable
Semen	Undetectable
Amniotic fluid	10 000–400 000 μq/l



Actim PROM is a quick bedside test that gives highly reliable results in minutes.





Place the polyester swab in the Specimen Extraction Solution provided and swirl it around vigorously for 10 seconds.



After extraction, dip the yellow area of the liquid front reaches the the dipstick from the solution and place it in



dipstick into the solution and hold it there until the result area. Then remove a horizontal position.



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EP0677170, EP0565541, US5554504, US5712170 , US5965458

Ordering information

Product Description	REF number
Actim PROM 20 test kit	30832ETAC
Actim PROM 10 test kit	30831ETAC
Actim PROM 3 test sample kit	30833ETAC
Actim PROM Controls	30800ETAC



Control line

Test line