

Can you raise our hope  
for a healthy baby?



**PRISCA 5.0 Prenatal Risk Calculation  
software delivers reliable assessment with  
up to 95 percent detection rates.**

Answers for life.

**SIEMENS**

# Better Patient Care, More Confidence

Attending to pregnant women, physicians require accurate, statistically valid assessments of prenatal risk for fetal chromosomal and nonchromosomal anomalies to confidently counsel patients and recommend care. Invasive procedures such as amniocentesis frequently used to evaluate prenatal risk have an estimated 1 in 200 risk for fetal loss. PRISCA 5.0 Prenatal Risk Calculation software assesses maternal risk without the need for invasive procedures.

Over 1,900 customers in 55 countries use CE-marked PRISCA software together with Siemens IMMULITE® maternal screening assays, patient demographic data, and ultrasound scans to consolidate and manage the complex requirements of prenatal risk assessments.

## The PRISCA 5.0 Advantage

Comprehensive, reliable prenatal risk assessment for Trisomy 13, Trisomy 18, Trisomy 21, and neural tube defects. PRISCA 5.0 Prenatal Risk Calculation software processes data from in vivo and in vitro maternal screening sources and provides reliable prenatal risk assessment reports with up to 95 percent detection rates.

PRISCA 5.0 integrates patient data from multiple sources for comprehensive risk assessments.

- First and second trimester ultrasound scans
- Variable factors such as maternal age and weight, gestational age, and patient demographics and history
- Maternal screening test results

## PRISCA 5.0 User Input Screen

Markers	Value	Median	MoM	Corrected MoM
Free B. hCG	6.00	38.64	0.16	0.14
PAPP-A	0.75	1.93	0.39	0.28
AFP				
HCG				
uE3				
Inhibin A				

## PRISCA 5.0 Features:

- Correction for nasal bone assessment
- Second trimester quadruple test
- Flexible center-specific medians
- NT sonography quality control
- Flexible determination of gestational age
- Shared Database

## Flexible, Customizable Configuration Meets Specific Laboratory and Physician Needs

- Supports laboratory-specific testing protocols through user-selectable algorithms and risk calculations for first and second trimester screening
- Ability to enter Inhibin A results to enable quadruple testing
- Combined Trisomy 13/18 screening in first trimester
- Risk calculation with nuchal translucency and maternal age
- Risk calculation by PAPP-A or free Beta hCG alone
- Risk correction for previous Down pregnancy
- Center-specific NT medians
- Risk correction for absent nasal bone
- Calculates risk in first or second trimester either on the date of blood sample or term date
- Enter site-specific population parameters for risk calculation of T21

- Provides flexible calculation options for medians

– Selectable regression curve: linear, exponential, parabolic, logarithmic, or reciprocal

– User-definable exclusion criteria

- Supports customized report layouts to suit physicians' preferences

## Easy to Use with Rigorous Audit Trail

- Easy-to-use operator interface available in 21 languages
- Fast data input—single input form for all required fields
- Audit trail for compliance with documentation requirements—links results to data entered by individual operators

## PRISCA Shared Database

The PRISCA Shared Database service included with PRISCA 5.0 provides inter-laboratory quality control information in a quarterly statistical report.

The Shared Database is a centralized data repository maintained by Siemens. Participating labs upload their PRISCA assessment data to the Shared Database and view reports that compare their data with data from a broader population.

- Compares an individual laboratory's performance with that of peers
- Monitors trends and identifies outliers
- Aids in setup and control of local medians
- Maintains patient confidentiality by removing patient identifying information

Siemens is committed to transforming healthcare by bringing together in vivo imaging technologies with in vitro diagnostics and empowering information technology in the laboratory. By applying PRISCA algorithms to in vivo and in vitro test results doctors can deliver enhanced maternal care.

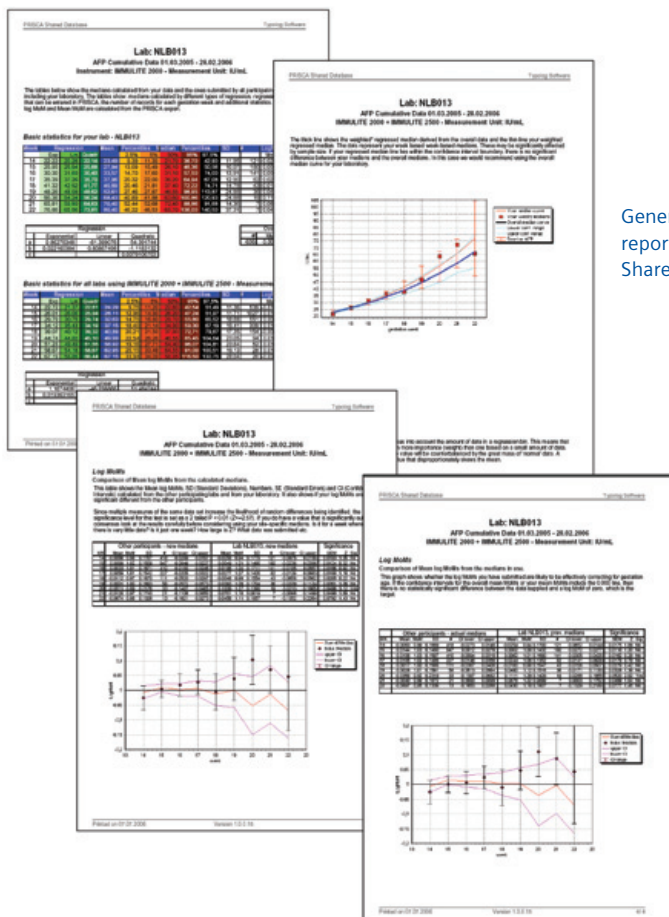
## Demo Software

A 30-day demonstration version of PRISCA 5.0 software is available. Please contact your Siemens Healthcare Diagnostics representative.

## To Purchase PRISCA 5.0 Software:

This product is sold and distributed outside the U.S. exclusively by Siemens Healthcare Diagnostics and its distributors. To locate your local Siemens representative, visit the company website at: <http://www.siemens.com/diagnostics>.

## Shared Database Reports



Generate custom lab reports from Shared Database.

“When I began offering the test in 2004, physicians started by using the test on their high-risk patients. Then the physicians realized that the results are very accurate and it is a good screening method and they expanded testing to pregnant women of all ages.”

Clara Corona de Lau, CEO  
Biomedica de Referencia

“The value of PRISCA is that it gives us reliable statistical results. That’s why we have seen a huge increase in our number of patients since 2003.”

Dra. Ma Victoria de Olabarria Ruiz  
UNILABS Madrid

Siemens Healthcare Diagnostics, a global leader in clinical diagnostics, provides healthcare professionals in hospital, reference, and physician office laboratories and point-of-care settings with the vital information required to accurately diagnose, treat, and monitor patients. Our innovative portfolio of performance-driven solutions and personalized customer care combine to streamline workflow, enhance operational efficiency, and support improved patient outcomes.

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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