

ADVIA Centaur PSA Assay Specifications



The Siemens Healthcare Diagnostics ADVIA Centaur® PSA assay is a two-site sandwich immunoassay employing direct chemiluminescence technology using a polyclonal goat anti-PSA antibody labeled with acridinium ester in the LITE reagent and a monoclonal mouse anti-PSA antibody which is covalently coupled to paramagnetic particles in the solid phase.

Outstanding Assay Performance

- Equimolar performance across the range of PSA concentrations
- Excellent correlation with other equimolar PSA assays
- Standardized to WHO 96/670 PSA standard for consistent results

Clinical Utility

- Clinically proven ranges for detection of prostate cancer in screening populations
- Clinically relevant standardized assay range and sensitivity for monitoring patients with prostate cancer

ADVIA Centaur - Maximizing Satisfaction

- Optimal productivity - ADVIA Centaur/XP - up to 240 tests per hour; ADVIA Centaur CP - up to 180 tests per hour
- Comprehensive menu including Allergy, Anemia, Cardiovascular, Metabolic, Fertility, Infectious Disease, Oncology, TDM, and Thyroid

Equimolarity

Five samples with PSA-ACT concentrations ranging from 0-100% and a total PSA concentration of approximately 4.0 ng/mL were analyzed to show equimolar performance of the ADVIA Centaur PSA Assays.

Equimolarity	
% PSA-ACT	ADVIA Centaur PSA (ng/mL)
0%	4.2
20%	4.1
50%	4.5
80%	4.5
100%	4.5

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Answers for life.

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PSA Performance Summary

	Sample Type	Sample Volume	Assay Range	Analytical Sensitivity	Cut-off (suggested)	Calibration Interval	On-Board Stability
ADVIA Centaur	Serum	35 uL	0.01-100 ng/mL	0.01 ng/mL	4.0 ng/mL	28 days	28 days
ADVIA Centaur CP	Serum	35 uL	0.01-100 ng/mL	0.01 ng/mL	4.0 ng/mL	28 days	28 days

Ordering Information

Catalog No.	Description	Contents
118157	<ul style="list-style-type: none">5 ReadyPack primary reagent packs of ADVIA Centaur PSA LITE reagent and solid phase ADVIA Centaur PSA Master Curve Card	500 tests
118156	<ul style="list-style-type: none">1 ReadyPack primary reagent pack of ADVIA Centaur PSA LITE reagent and solid phase ADVIA Centaur PSA Master Curve Card	100 tests
118221	<ul style="list-style-type: none">Calibrator Q ADVIA Centaur	6 vials of low calibrator 6 vials of high calibrator
118220	<ul style="list-style-type: none">Calibrator Q ADVIA Centaur	2 vials of low calibrator 2 vials of high calibrator

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Siemens Global Headquarters

Siemens AG
Wittelsbacherplatz 2
80333 Muenchen
Germany

Global Siemens Healthcare Headquarters

Siemens AG
Healthcare Sector
Henkestrasse 127
91052 Erlangen, Germany
Telephone: +49 9131 84 - 0
www.siemens.com/healthcare

Global Division

Siemens Healthcare Diagnostics Inc.
1717 Deerfield Road
Deerfield, IL 60015-0778
USA
www.siemens.com/diagnostics

www.siemens.com/diagnostics