

Thermo Scientific B·R·A·H·M·S PAPP-A KRYPTOR

The gold standard in combined
1st trimester screening

Automated immunofluorescent assay for the determination of pregnancy associated plasma protein-A (PAPP-A) in human serum and heparin plasma

- Excellent precision:
CV less than 3% between day
- Low detection limit: 0.004 IU/L
- Rapid assay time: 19 min
- Kinetic reading – leading to automatic rediluting of high samples within 4 min
- In routine use by FMF since 1999



The Fetal
Medicine Foundation

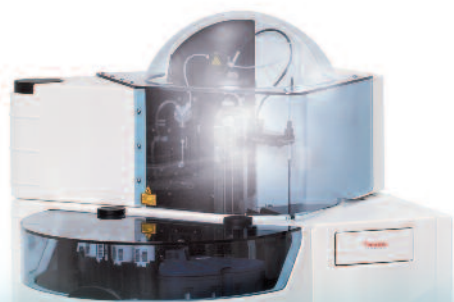


Clinical Interest

Prenatal Screening for chromosomal abnormalities in the **1st trimester** of pregnancy including maternal age, PAPP-A and Free β hCG associated with the ultrasound measurement of nuchal translucency

Ease of Handling

Sample volume	50 μ L
Sample type	Serum, heparin plasma, no EDTA plasma
Incubation time	19 min
Direct measurement	0.004...6 IU/L
Measuring range with automatic dilution	0.004...90 IU/L
Detection limit	0.004 IU/L
Kit stability on board	4 weeks
Calibrator	1 point
Calibration stability	15 days



Excellent Precision

Reproducibility*		
Sample	Mean [IU/L]	Between-assay/one instrument (n=~500 over 1 year for each sample) CV%
1	0.286	2.21
2	1.414	2.19
3	3.994	2.30

Sample	Mean [IU/L]	Between-assay/between instrument (n=~1000 over 1 year for each sample) CV%
1	0.296	3.00
2	1.463	2.43
3	3.957	2.78

* Source: Spencer K. Risk, a QC parameter. DSNEWS 2003,10(1):30-31

Reference Values Pregnancy

Gestational age (completed weeks)	n	5 th percentile [IU/L]	Median [IU/L]	95 th percentile [IU/L]
11	>5000	0.632	1.587	3.986
12	>5000	1.040	2.612	6.560
13	>5000	1.543	3.874	9.730
14	>5000	2.062	5.178	13.005

Normal values

<0.014 IU/L (males and non pregnant females)

Calibration

The PAPP-A results are given in IU/L (WHO IRP 78/610, no longer available).

Products

Article number	Description
866.075	B-R-A-H-M-S PAPP-A KRYPTOR Kit, reagents for 75 determinations
86691	B-R-A-H-M-S PAPP-A KRYPTOR CAL Calibrator kit, 6 vials
88192	B-R-A-H-M-S GM KRYPTOR QC Control kit prenatal screening, 3 levels (2 vials per level)

B-R-A-H-M-S PAPP-A KRYPTOR available on

<input checked="" type="checkbox"/>	B-R-A-H-M-S KRYPTOR
<input checked="" type="checkbox"/>	B-R-A-H-M-S KRYPTOR compact
<input checked="" type="checkbox"/>	B-R-A-H-M-S KRYPTOR compact PLUS



thermoscientific.com/brahms

© 2012 Thermo Fisher Scientific Inc. All rights reserved.

KRYPTOR™ is a registered trademark of CIS bio international, licensed for use by B-R-A-H-M-S, a part of Thermo Fisher Scientific. All other trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. All data regarding specifications, terms and pricing correspond to the existing knowledge at the time of the printing. We are not responsible for any errors, misprints or changes. Reprint, also in parts, solely with prior written consent of B-R-A-H-M-S GmbH. The listed products are not available in all countries. Please consult your local sales representative for further information.

Clinical Diagnostics

Thermo Fisher Scientific
B-R-A-H-M-S GmbH
Neuendorfstr. 25
16761 Hennigsdorf
Germany

+49 (0)3302 883 0
+49 (0)3302 883 100 fax
info.brahms@thermofisher.com

www.thermoscientific.com/brahms
www.thermoscientific.com/copeptin
www.thermoscientific.com/procalcitonin
www.thermoscientific.com/kryptor

Thermo
SCIENTIFIC

Part of Thermo Fisher Scientific