

B·R·A·H·M·S AFP KRYPTOR

Your best option for 1st and 2nd trimester screening

Thermo Scientific™ B·R·A·H·M·S™ AFP KRYPTOR™ is an automated immunofluorescent assay for the quantitative determination of alpha-fetoprotein (AFP) in human serum, heparin plasma or amniotic fluid.

- Excellent precision
- Very short incubation time: 9 min
- Wide measuring range

Clinical interest

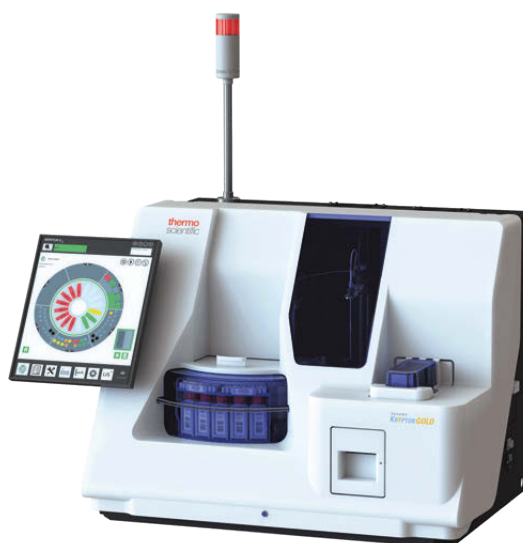
- **Screening for fetal aneuploidies** in conjunction with additional clinical data to assess the risk of fetal trisomy 21 in the first trimester and trisomy 21 and 18 in the second trimester.
- **Second trimester screening for neural tube defects** in maternal serum and as an aid in diagnosis of neural tube defects in amniotic fluid in conjunction with other clinical data.

Ease of handling

Sample volume	14 µL
Sample type	Serum, heparin plasma, amniotic fluid
Incubation time	9 min
Direct measurement	0.21...700 ng/mL
Measuring range with automatic dilution	0.21...500 000 ng/mL
Detection limit	0.21 ng/mL
Kit stability on board	15 days
Calibrator	1 point
Calibration stability	15 days



B·R·A·H·M·S KRYPTOR compact PLUS



B·R·A·H·M·S KRYPTOR GOLD

Excellent precision

Precision		
Sample	Mean [ng/mL]	Repeatability (% CV)
1	2.85	2.9
2	11.1	1.2
3	511	1.2
4	335 142	1.4

Sample	Mean [ng/mL]	Within laboratory (% CV)
5	5.29	8.3
6	11.2	3.8
7	68.6	2.7
8	1 096	2.9

Sample	Mean [ng/mL]	Reproducibility (% CV)
9	5.35	4.7
10	11.1	3.6
11	1 149	3.0

Calibration

B·R·A·H·M·S AFP KRYPTOR is calibrated against the WHO international standard for Alpha-fetoprotein (IRP WHO 72/225). The AFP assay results are given in ng/mL (1 ng AFP KRYPTOR equals 1 IU 1st IRP WHO 72/225, 1 IU approximately equals 1.21 ng 1st IRP WHO 72/225).

Thermo Scientific Products

Product
B·R·A·H·M·S AFP KRYPTOR Kit, reagents for 75 determinations
B·R·A·H·M·S AFP KRYPTOR CAL Calibrator kit
B·R·A·H·M·S AFP KRYPTOR Diluent Diluent AFP for amniotic fluid samples, 1 vial
B·R·A·H·M·S GM KRYPTOR QC Control kit prenatal screening, 3 levels

Clinical Diagnostics

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Normal values during 1st trimester of pregnancy

Serum				
Gestational age (completed weeks)	n	5 th percentile [ng/mL]	Median [ng/mL]	95 th percentile [ng/mL]
8	158	2.5	4.5	10.1
9	251	3.0	5.5	11.0
10	177	3.6	7.3	17.1
11	348	5.5	10.4	27.9
12	387	7.5	15.0	30.3
13	330	10.1	19.0	35.1

Normal values during 2nd trimester of pregnancy

Serum				
Gestational age (completed weeks)	n	5 th percentile [ng/mL]	Median [ng/mL]	95 th percentile [ng/mL]
14	529	15.2	26.3	52.5
15	1 908	16.2	29.4	53.4
16	1 090	18.8	34.0	62.5
17	509	21.4	37.1	66.5
18	246	24.5	41.2	88.7

Amniotic fluid

Gestational age (completed weeks)	n	Median [ng/mL]
14	382	15 580
15	512	14 870
16	495	12 980
17	280	10 630
18	131	8 835

Data from 3 different external studies

B·R·A·H·M·S AFP KRYPTOR is available on

- ✓ B·R·A·H·M·S KRYPTOR compact PLUS
- ✓ B·R·A·H·M·S KRYPTOR GOLD

B·R·A·H·M·S AFP KRYPTOR is CE marked.

Reference: B·R·A·H·M·S AFP KRYPTOR IVDR IFU

Learn more at [thermoscientific.com/brahms](https://www.thermoscientific.com/brahms)

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