

# B·R·A·H·M·S AFP KRYPTOR

Your best option for 2<sup>nd</sup> 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

- Second trimester screening for fetal aneuploidies in conjunction with additional clinical data to assess the risk of fetal trisomy 21 and trisomy 18.
- 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	0.23...700 ng/mL
Measuring range with automatic dilution	0.23...500 000 ng/mL
Detection limit	0.23 IU/L
Kit stability on board	15 days
Calibrator	1 point
Calibration stability	15 days

## Excellent Precision

Reproducibility		
Sample	Mean [ng/mL]	Within-assay CV %
1	7.4	2.0%
2	138.0	1.0%
3	596646.0	1.8%

Sample	Mean [ng/mL]	Between-assay CV%
1	10.3	4.5%
2	539.0	3.9%
3	743.0	3.9%

## Normal values

A study of 250 healthy men and non pregnant women showed a 5<sup>th</sup> and 95<sup>th</sup> percentile of 0.93 ng/mL and 10.65 ng/mL, respectively (median of 3.21 ng/mL).

## Calibration

The AFP results are given in ng/mL. The assay is calibrated against 1<sup>st</sup> IRP WHO 72/225 (1 ng B·R·A·H·M·S AFP KRYPTOR = 1 IU or 0.823 ng of the 1<sup>st</sup> IRP WHO 72/225).

## Thermo Scientific Products

Article number	Description
816.075	<b>B·R·A·H·M·S AFP KRYPTOR</b> Kit, reagents for 75 determinations
81691	<b>B·R·A·H·M·S AFP KRYPTOR CAL</b> Calibrator kit
81693	<b>B·R·A·H·M·S AFP KRYPTOR Diluent</b> Diluent AFP for amniotic fluid samples, 1 vial
88192	<b>B·R·A·H·M·S GM KRYPTOR QC</b> Control kit prenatal screening, 3 levels

## Normal Values During Pregnancy

Serum				
Gestational age (completed weeks)	n	5 <sup>th</sup> percentile [ng/mL]	Median [ng/mL]	95 <sup>th</sup> percentile [ng/mL]
14	529	15.2	26.3	52.5
15	1908	16.2	29.4	53.4
16	1090	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

B·R·A·H·M·S AFP KRYPTOR is available on	
<input checked="" type="checkbox"/>	<b>B·R·A·H·M·S KRYPTOR</b>
<input checked="" type="checkbox"/>	<b>B·R·A·H·M·S KRYPTOR compact</b>
<input checked="" type="checkbox"/>	<b>B·R·A·H·M·S KRYPTOR compact PLUS</b>
<input checked="" type="checkbox"/>	<b>B·R·A·H·M·S KRYPTOR GOLD</b>

B·R·A·H·M·S AFP KRYPTOR is **CE marked**.

## 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

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