

Example of screening performance table calculated for Alpha for the quadruple test

The tables below show, for maternal age alone, and for the selected combinations of screening markers with maternal age, the expected Down's syndrome detection rate (DR), false-positive rate (FPR), and odds of being affected given a positive result (OAPR), according to the age cut-off or risk cut-off level, for a population with the age distribution shown above. For screening tests, separate estimates are given for gestational age estimated by dates and by scan, both with and without adjustment for maternal weight. For screening tests using first trimester markers, separate estimates are given for each week of the first trimester with gestational age based on scan with adjustment for maternal weight.

Quadruple (MS-AFP, uE3, T-hCG and Inh-A with maternal age)												
Gestation	Based on dates						Based on scan					
Weight adjustment	Unadjusted			Adjusted			Unadjusted			Adjusted		
Risk cut-off (time of test)	DR (%)	FPR (%)	OAPR	DR (%)	FPR (%)	OAPR	DR (%)	FPR (%)	OAPR	DR (%)	FPR (%)	OAPR
1 in 100	80.4	5.4	1:15	80.7	5.3	1:15	81.8	5.0	1:14	82.2	5.0	1:14
1 in 150	84.4	7.6	1:20	84.6	7.5	1:20	85.4	7.0	1:18	85.7	6.9	1:18
1 in 200	86.9	9.5	1:25	87.1	9.4	1:24	87.8	8.8	1:22	88.1	8.6	1:22
1 in 250	88.7	11.2	1:28	88.8	11.1	1:28	89.4	10.4	1:26	89.6	10.2	1:26
1 in 300	90.0	12.8	1:32	90.2	12.7	1:32	90.6	11.8	1:29	90.8	11.7	1:29
1 in 350	91.1	14.3	1:35	91.2	14.2	1:35	91.6	13.2	1:32	91.8	13.0	1:32
1 in 400	91.9	15.7	1:38	92.0	15.5	1:38	92.4	14.5	1:35	92.5	14.2	1:35
1 in 450	92.6	17.0	1:41	92.7	16.8	1:41	93.0	15.7	1:38	93.2	15.4	1:37
1 in 500	93.2	18.2	1:44	93.3	18.0	1:43	93.6	16.8	1:40	93.7	16.5	1:39

Estimates of performance are given for different risk cut-offs, either at term or at the time of screening. Your risk cut-off is highlighted

Screening performance is expressed in terms of the detection rate [DR], false-positive rate [FPR], and the odds of being affected given a positive result [OAPR]

Separate estimates are given for gestational age based on dates and on ultrasound scan, both with and without adjustment for maternal

Example of screening performance table calculated for Alpha for the Integrated test

Integrated (MS-AFP, uE3, T-hCG, Inh-A, NT and PAPP-A with maternal age)									
Completed week	11			12			13		
Risk cut-off (time of test)	DR (%)	FPR (%)	OAPR	DR (%)	FPR (%)	OAPR	DR (%)	FPR (%)	OAPR
1 in 100	90.4	2.2	1:5	89.1	2.4	1:6	87.5	2.9	1:8
1 in 150	92.2	3.0	1:7	91.1	3.4	1:8	89.8	4.1	1:10
1 in 200	93.2	3.7	1:9	92.3	4.3	1:11	91.3	5.2	1:13
1 in 250	94.1	4.5	1:11	93.2	5.2	1:12	92.3	6.2	1:15
1 in 300	94.6	5.2	1:12	93.9	6.0	1:14	93.1	7.1	1:17
1 in 350	95.1	5.8	1:14	94.4	6.8	1:16	93.8	8.0	1:19
1 in 400	95.5	6.4	1:15	94.9	7.5	1:18	94.3	8.8	1:21
1 in 450	95.8	7.0	1:16	95.2	8.2	1:19	94.7	9.6	1:23
1 in 500	96.0	7.5	1:18	95.5	8.8	1:21	95.0	10.3	1:24

Integrated: Screening performance based on the distribution of the week in which the first part was performed in the local screening program.			
Risk cut-off	DR (%)	FPR (%)	OAPR
1 in 150	90.9	3.5	1:9

Estimates of performance are given for different risk cut-offs, either at term or at the time of screening. Your risk cut-off is highlighted

The screening performance estimate is also given based on the distribution of weeks in which the first part of the test was carried out

Estimates of performance are given for tests carried out at 11, 12 and 13 weeks of gestation

Screening performance is expressed in terms of the detection rate [DR], false-positive rate [FPR], and the odds of being affected given a positive result [OAPR]

Distribution of tests according to week of gestation		
First trimester tests		
Completed Week	Number of Tests	
<=10	127	2.5%
11	1066	21.1%
12	2269	45.0%
>=13	1581	31.4%
Total	5043	100%

The number of tests carried out at 10, 11, 12 and 13 weeks gestation is shown.

Example of screening performance table calculated for Alpha for the sequential test

Sequential (MS-AFP, uE3, T-hCG, Inh-A, NT, T-hCG (1T) and PAPP-A with maternal age)												
First trimester				Overall screening performance								
Risk cut-off (time of test)	Week of first stage of test	Screening performance		Second trimester risk cut-off (time of test)								
		DR (%)	FPR (%)	1 in 100			1 in 150			1 in 200		
				DR (%)	FPR (%)	OAPR	DR (%)	FPR (%)	OAPR	DR (%)	FPR (%)	OAPR
1 in 10	11	60.5	0.3	90.6	2.2	1:6	92.3	3.1	1:7	93.3	3.8	1:9
	12	58.5	0.3	89.3	2.6	1:6	91.2	3.5	1:9	92.5	4.4	1:11
	13	53.6	0.3	87.8	3.0	1:8	90.0	4.2	1:10	91.4	5.3	1:13
1 in 20	11	68.8	0.7	90.9	2.4	1:6	92.4	3.2	1:8	93.4	4.0	1:10
	12	66.3	0.7	89.6	2.8	1:7	91.4	3.7	1:9	92.6	4.6	1:11
	13	62.3	0.8	88.2	3.3	1:9	90.3	4.5	1:11	91.7	5.5	1:14
1 in 30	11	73.0	1.1	91.1	2.7	1:7	92.5	3.5	1:8	93.5	4.2	1:10
	12	70.6	1.1	89.9	3.1	1:8	91.6	4.0	1:10	92.7	4.9	1:12
	13	67.0	1.3	88.6	3.7	1:9	90.6	4.8	1:12	91.9	5.8	1:14
1 in 40	11	75.8	1.4	91.3	2.9	1:7	92.7	3.7	1:9	93.6	4.4	1:11
	12	73.4	1.5	90.1	3.4	1:8	91.7	4.2	1:10	92.8	5.1	1:12
	13	70.4	1.7	89.0	4.0	1:10	90.8	5.0	1:12	92.1	6.0	1:15
1 in 50	11	77.9	1.8	91.5	3.2	1:8	92.8	3.9	1:9	93.7	4.6	1:11
	12	75.7	1.9	90.4	3.7	1:9	91.9	4.5	1:11	93.0	5.3	1:13
	13	73.0	2.1	89.3	4.3	1:11	91.1	5.3	1:13	92.3	6.3	1:15
1 in 60	11	79.4	2.2	91.7	3.5	1:8	93.0	4.2	1:10	93.8	4.8	1:12
	12	77.3	2.3	90.6	3.9	1:10	92.1	4.8	1:12	93.1	5.6	1:13
	13	74.9	2.6	89.6	4.7	1:12	91.3	5.6	1:14	92.4	6.6	1:16

Estimates of performance are given for different first trimester cut-offs Your risk cut-off is highlighted

Screening performance is expressed in terms of the detection rate [DR], false-positive rate [FPR], and the odds of being affected given a positive result [OAPR]

Estimates of performance are given for tests carried out at 11, 12 and 13 weeks of gestation

Estimates of performance are given for different second trimester cut-offs. Your risk cut-off is highlighted