

**Appendix 2** – Summary results of biennial 1- and 2-sample FIT screening strategies with the age range of 55-75 years.

Screen test and cut-off level*	Incidence reduction (0% discount)	Mortality reduction (0% discount)	Life years gained (3% discount)	Costs per 1,000 individuals (x1,000 €) (3% discount)						
				Total	FIT	Diagnostic colonoscopy after positive FIT	Surveillance colonoscopy	Clinical diagnostic colonoscopy	Complications after colonoscopy	Treatment of CRC
<i>1sFIT</i>										
50	12.83%	28.34%	97.0	261	186	143	71	-10.4	1.7	-130
75	10.39%	25.98%	89.2	262	191	114	58	-9.8	1.4	-93
100	9.08%	24.22%	83.1	259	193	98	51	-9.3	1.2	-74
150	7.74%	22.92%	79.3	260	196	83	45	-9.0	1.0	-55
200	6.47%	21.94%	76.0	264	197	72	39	-8.7	0.9	-36
<i>2sFIT (both)</i>										
50	8.58%	21.38%	71.8	293	244	83	46	-8.3	1.0	-73
75	6.47%	18.60%	63.0	298	248	64	36	-7.4	0.8	-43
100	5.29%	16.39%	55.2	296	250	53	30	-6.6	0.6	-30
150	3.90%	13.92%	47.4	298	252	41	23	-5.8	0.5	-13
200	2.88%	11.71%	40.3	298	253	34	18	-5.1	0.4	-2
<i>2sFIT (mean)</i>										
50	13.95%	29.27%	99.5	304	230	153	77	-10.7	1.9	-147
75	11.35%	26.81%	91.7	305	237	121	63	-10.0	1.5	-107
100	9.78%	24.92%	85.7	305	240	103	55	-9.5	1.2	-85
150	8.11%	23.36%	80.7	306	244	86	46	-9.1	1.0	-62
200	6.48%	21.78%	75.7	314	246	73	39	-8.6	0.9	-36
<i>2sFIT (≥1)</i>										
50	15.25%	30.62%	104.4	320	223	188	85	-11.0	2.2	-166
75	12.69%	28.65%	97.8	318	230	153	71	-10.6	1.8	-127
100	11.29%	27.29%	93.6	316	234	132	64	-10.2	1.6	-105
150	10.00%	26.36%	91.0	314	238	113	57	-9.9	1.4	-87
200	8.93%	25.59%	88.4	314	241	100	52	-9.8	1.2	-70

\* 1sFIT = 1-sample FIT; 2sFIT(both) = 2-sample FIT, both samples positive; 2sFIT(mean) = 2-sample FIT, mean of both samples positive; 2sFIT(≥1) = 2-sample FIT, at least one sample positive.