Design: Survival Endpoint: Two-Sample Test - Parallel Design - Logrank Given Accrual Duration and Accrual Rates

Test Parameters

Design ID:	Des1
Design Type:	Superiority
Number of Looks:	3
Test Type:	2-Sided
Specified α:	0.05
Power:	0.8

Model Parameters

HR = λ_t/λ_c

Under H0:	1
Under H1:	0.7
Ratio of Medians:	1.429
Var (Log HR):	Null
Allocation Ratio (n_t/n_c):	1

Boundary Parameters

Spacing of Looks:	Equal
Efficacy Boundary:	LD (OF)

Accrual/Dropout Parameters

Accrual Duration:	16.667
Max Study Duration:	23.177
Dropout:	No

Stopping Boundaries: Look by Look

Look #	Info. Fraction (s/s_max)	Events (s)	Cumulative α Spent	Boundaries Efficacy Z Upper	Boundaries Efficacy Z Lower
1	0.332	83	2.005E-4	3.718	-3.718
2	0.668	167	0.012	2.508	-2.508
3	1	250	0.05	1.993	-1.993

Events, Sample Size, Pipeline and Analysis Times: Look by Look (Under H0)

Look #	Info. Fraction (s/s_max)	Sample Size (n)	Events (s)	Pipeline (n-s)	Analysis Time	Incr. Boundary Crossing Prob. Under H0 Efficacy Upper	Incr. Boundary Crossing Prob. Under H0 Efficacy Lower
1	0.332	325	83	242	10.803	1.002E-4	1.002E-4
2	0.668	481	167	314	16.014	0.006	0.006
3	1	500	250	250	20.997	0.019	0.019

Events, Sample Size, Pipeline and Analysis Times: Look by Look (Under H1)

Look #	Info. Fraction (s/s_max)	Sample Size (n)	Events (s)	Pipeline (n-s)	Analysis Time	Incr. Boundary Crossing Prob. Under H1 Efficacy Upper	Incr. Boundary Crossing Prob. Under H1 Efficacy Lower
1	0.332	350	83	267	11.654	4.567E-8	0.018
2	0.668	500	167	333	17.241	7.387E-7	0.401
3	1	500	250	250	23.177	6.588E-7	0.38

Survival Info. : Median Survival Times

Median Survival Times Control (λc)	Median Survival Times Treatment ($\lambda t1$)	Hazard Ratio Alt. ($\lambda t1/\lambda c$)
12	17.143	0.7

Accrual Info. :

Period #	At	Accrual Rate
1	0	30

Sample Size Information:

	Maximum	Expected H1	Expected H0
Sample Size (n)	500	497.271	499.73
Sample Size Treatment (n_t)	251	248.636	249.865
Sample Size Control (n_c)	249	248.636	249.865
Events (s)	250	213.648	248.971
Events Treatment (s_t)	111	94.763	124.553
Events Control (s_c)	139	121.987	124.553
Accrual Duration	16.667	16.576	16.658
Study Duration	23.177	20.584	20.935
Information	62.5	53.412	62.243

**Variable Follow-Up Design: All subjects are followed
until failure, drop out or end of study.**