

# DATA FORMAT

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## SPECULAR2

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## DATA FORMAT : Examination data part SPECULAR2(version : 1-00-01)

## 1. Definition of TAG and field in CSV file

Tag Name	Explanation of the tag	Field following a tag						
		Number of appearance	Number of fields	Name of fields	Character type	Maximum number of the characters	Detail	Unit
[FILES_N]	Number of attached file	-	1	File Number	ASCII	3	Unsigned integer (0~999)	
[FILE]	File information	Max 8	3	Attached File Name	UTF8	255	Character string	
				Function Group Code	ASCII	16	[A] hard copy of display image : "COPY"(800×600) [B] hard copy of display image : "COPY2"(1024×692) [C] Endothelium image : "ENDO"(266×480) [D] Auto analysis data Trace image : "TRACE" (266×480) Polymegathism image + Plemorphism image + DarkArea polymegathism image : "ANALYSIS" (266×480) ×3 [E] Lcount method Lcount method image : "LCNT" (266×480) [F] Core method Core method image : "TCTR" (266×480) [G] Ocular surface image : "FRONT" (160×160)  *EM-3000 : [A], [C], [D] are exported. EM-4000 : [B], [C], [D] or [E] or [F], [G] are exported. [D], [E], [F], [G] are exported to only T-Link.	
				Classification code	ASCII	1	R : Right eye data L : Left eye data B : Both eye datas Blank : No indication	
				Tag number	ASCII	Less than 1	1: Attached number in tag as [****_1] which is corresponding with this number in file name. 2: Attached number in tag as [****_2] which is corresponding with this number in file name. Space: Non	
[MAC_V]	Software Version	-	1	Version	ASCII	6	Character string of software version, blank means no data	—
[RL_1]	R or L	-	1	Right or left eye	ASCII	Less than 1	R: Right eye L: Left eye	—
[SPECULAR_ANALYSIS_AUTO_1]	Analysis Software Version (Auto)	-	1	Analysis Software Version	ASCII	32	"EM-4000_003" 1-00-00	—
[SPECULAR_ANALYSIS_LCOUNT_1]	Analysis Software Version (L-count)	-	1	Analysis Software Version	ASCII	32	"EM-4000_001" 1-00-00	—

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Tag Name	Explanation of the tag	Field following a tag						
		Number of appearance	Number of fields	Name of fields	Character type	Maximum number of the characters	Detail	Unit
[SPECULAR_ANALYSIS_CORE_1]	Analysis Software Version (Core)	-	1	Analysis Software Version	ASCII	32	"EM-4000_001" 1-00-00	—
[ST_DT_1]	Measurement Date	-	1	Measurement Date	ASCII		MM/DD/YYYY (Ex. 8/27/2014)	
[ST_TM_1]	Measurement Time	-	1	Measurement Time	ASCII		hh:mm:ss AM/PM (Ex. 10:42:47 AM)	
[ANALYSIS_METHOD_1]	Analysis method	-	1	Analysis method	ASCII	6	Character string, "AUTO" or "LCOUNT" or "CORE"	-
[FILTER_SIZE_1]	Analysis Filter Size	-	1	Analysis Filter Size	ASCII	5	Character string, "SMALL" or "LARGE" or "HUGE", blank means no data	—
[PIXEL_SIZE_1]	Adjusted Pixel Size	—	1	Adjusted Pixel Size	ASCII	4	Unsigned integer (0~9999), blank means no data	nm
[FIXATION_1]	Fixation light	-	1	Fixation light	ASCII	6	Character string, "CENTER" or "0DEG" or "60DEG" or "120DEG" or "180DEG" or "240DEG" or "300DEG" or "PARA0DEG" or "PARA45DEG" or "PARA90DEG" or "PARA135DEG" or "PARA180DEG" or "PARA225DEG" or "PARA270DEG" or "PARA315DEG"	—
[NUMBER_1]	Number of analyzed cell	-	1	Number of analyzed cell	ASCII	4	Unsigned integer (0~9999), blank means no data	number



C=[CENTER], U=[0DEG], L.U.=[60DEG], L.L.=[120DEG], L.=[180DEG], R.L.=[240DEG], R.U.=[300DEG], 0° =[PARA0DEG], 45° =[PARA45DEG], 90° =[PARA90DEG], 135° =[PARA135DEG], 180° =[PARA180DEG], 225° =[PARA225DEG], 270° =[PARA270DEG], 315° =[PARA315DEG]

## DATA FORMAT : Examination data part SPECULAR2(version : 1-00-01)

Tag Name	Explanation of the tag	Field following a tag						
		Number of appearance	Number of fields	Name of fields	Character type	Maximum number of the characters	Detail	Unit
[DENSITY_1]	Cell Density	-	1	Cell Density	ASCII	4	Unsigned integer(0~9999), blank means no data	number /mm2
[AVG_1]	Average size	-	1	Average size	ASCII	4	Unsigned integer(0~9999), blank means no data	um2
[SD_1]	Standard Deviation	-	1	Standard Deviation	ASCII	4	Unsigned integer(0~9999), blank means no data	um2
[CV_1]	Coefficient of Variation	-	1	Coefficient of Variation	ASCII	4	Unsigned integer(0~9999), blank means no data	%
[MAX_1]	Maximum Cell Size	-	1	Maximum Cell Size	ASCII	4	Unsigned integer(0~9999), blank means no data	um2
[MIN_1]	Minimum Cell Size	-	1	Minimum Cell Size	ASCII	4	Unsigned integer(0~9999), blank means no data	um2
[JUDGE_1]	Reliability	-	1	Judge of reliability	ASCII	1	0(×),1(○),2(Δ)	-
[THK_1]	Corneal Thickness	-	1	Corneal Thickness	ASCII	4	Unsigned integer(0~9999), blank means no data	mm
[THK_US_OFFSET_1]	Offset from ultrasound pachymetry	-	2	Setting	ASCII	3	0(not display), or 1(display)	—
				Value	ASCII	3	Signed integer(-99~99), blank means no data	um
[HG_RNG_1]	Histogram Range	-	2	Upper Limit	ASCII	4	Unsigned integer(0~1999), blank means no data	um2
				Lower Limit	ASCII	4	Unsigned integer(0~1999), blank means no data	um2
[HG_AREA_1]	Area Histogram	-	10	Result1	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result2	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result3	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result4	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result5	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result6	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result7	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result8	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result9	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result10	ASCII	2	Unsigned integer(0~99), blank means no data	%
[HG_APEX_1]	Apex Histogram	-	8	Result1	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result2	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result3	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result4	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result5	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result6	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result7	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result8	ASCII	2	Unsigned integer(0~99), blank means no data	%

## DATA FORMAT : Examination data part SPECULAR2(version : 1-00-01)

Tag Name	Explanation of the tag	Field following a tag						
		Number of appearance	Number of fields	Name of fields	Character type	Maximum number of the characters	Detail	Unit
[ANS_RNG_1]	Target Image Area	-	4	Left Side	ASCII	3	Unsigned integer(0~265), blank means no data	-
				Upper Side	ASCII	3	Unsigned integer(0~479), blank means no data	-
				Right Side	ASCII	3	Unsigned integer(0~265), blank means no data	-
				Lower Side	ASCII	3	Unsigned integer(0~479), blank means no data	-
[DA_NUMBE R_1]	DarkArea Numver of analyzed cell	-	1	DarkArea Numver of analyzed cell	ASCII	4	Unsigned integer(0~9999), blank means no data	number
[DAD_1]	DarkArea Cell Density	-	1	DarkArea Cell Density	ASCII	4	Unsigned integer(0~9999), blank means no data	number/mm2
[DA_AVG_1]	DarkArea Average size	-	1	DarkArea Average size	ASCII	4	Unsigned integer(0~9999), blank means no data	um2
[DA_SD_1]	DarkArea Standard Deviation	-	1	DarkArea Standard Deviation	ASCII	4	Unsigned integer(0~9999), blank means no data	um2
[DA_CV_1]	DarkArea Coefficient of Variation	-	1	DarkArea Coefficient of Variation	ASCII	4	Unsigned integer(0~9999), blank means no data	%
[DA_MAX_1]	DarkArea Maximum Cell Size	-	1	DarkArea Maximum Cell Size	ASCII	4	Unsigned integer(0~9999), blank means no data	um2
[DA_MIN_1]	DarkArea Minimum Cell Size	-	1	DarkArea Minimum Cell Size	ASCII	4	Unsigned integer(0~9999), blank means no data	um2
[DA_RATIO_1]	DarkArea Ratio	-	1	DarkArea Ratio	ASCII	5	Unsigned decimal(0.0~100.0), blank means no data (limit : first decimal place)	%
[DA_HG_A REA_1]	DarkArea Area Histogram	-	3	Result1	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result2	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result3	ASCII	2	Unsigned integer(0~99), blank means no data	%
[DA_SET_1]	Dark Area Setting	-	1	Dark Area Setting	ASCII	1	0(Dark Area OFF), or 1(Dark Area ON) *Setting of Dark Area at analysis in Setup window.	%
[DA_DETE CTION_1]	DarkArea Detection	-	1	DarkArea Detection	ASCII	1	0(Dark Area OFF detection), or 1(Dark Area ON detection) * Setting of Dark Area Detection at analysis in Setup window. (*1)	

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Tag Name	Explanation of the tag	Field following a tag						
		Number of appearance	Number of fields	Name of fields	Character type	Maximum number of the characters	Detail	Unit
[EDITED_FLAG_1]	Flag of Edit	-	1	Flag of Edit	ASCII	1	0(not edited), or 1(edited) *Flag is set when it's edited by operation. (*1)	
[RL_2]	R or L 2	-	1	Right or left eye	ASCII	Less than 1	R: Right eye L: Left eye	—
[SPECULAR_ANALYSIS_AUTO_2]	Analysis Software Version (Auto)	-	1	Analysis Software Version	ASCII	32	"EM-4000_003" 1-00-00	—
[SPECULAR_ANALYSIS_LCOUNT_2]	Analysis Software Version (L-count)	-	1	Analysis Software Version	ASCII	32	"EM-4000_001" 1-00-00	
[SPECULAR_ANALYSIS_CORE_2]	Analysis Software Version (Core)	-	1	Analysis Software Version	ASCII	32	"EM-4000_001" 1-00-00	
[ST_DT_2]	Measurement Date	-	1	Measurement Date	ASCII		MM/DD/YYYY (Ex. 8/27/2014)	
[ST_TM_2]	Measurement Time	-	1	Measurement Time	ASCII		hh:mm:ss AM/PM (Ex. 10:42:47 AM)	
[ANALYSIS_METHOD_2]	Analysis method	-	1	Analysis method	ASCII	6	Character string, "SMALL" or "LARGE" or "HUGE", blank means no data	-
[FILTER_SIZE_2]	Analysis Filter Size	-	1	Analysis Filter Size	ASCII	5	Character string, "SMALL" or "LARGE" or "HUGE", blank means no data	—
[PIXEL_SIZE_2]	Adjusted Pixel Size	—	1	Adjusted Pixel Size	ASCII	4	Unsigned integer (0~9999), blank means no data	nm
[FIXATION_2]	Fixation light	-	1	Fixation light	ASCII	6	Character string, "CENTER" or "0DEG" or "60DEG" or "120DEG" or "180DEG" or "240DEG" or "300DEG" or "PARA0DEG" or "PARA45DEG" or "PARA90DEG" or "PARA135DEG" or "PARA180DEG" or "PARA225DEG" or "PARA270DEG" or "PARA315DEG"	—
[NUMBER_2]	Number of analyzed cell	-	1	Number of analyzed cell	ASCII	4	Unsigned integer (0~9999), blank means no data	number
[DENSITY_2]	Cell Density	-	1	Cell Density	ASCII	4	Unsigned integer (0~9999), blank means no data	number/mm2
[AVG_2]	Average size	-	1	Average size	ASCII	4	Unsigned integer (0~9999), blank means no data	um2
[SD_2]	Standard Deviation	-	1	Standard Deviation	ASCII	4	Unsigned integer (0~9999), blank means no data	um2
[CV_2]	Coefficient of Variation	-	1	Coefficient of Variation	ASCII	4	Unsigned integer (0~9999), blank means no data	%

## DATA FORMAT : Examination data part SPECULAR2(version : 1-00-01)

Tag Name	Explanation of the tag	Field following a tag						
		Number of appearance	Number of fields	Name of fields	Character type	Maximum number of the characters	Detail	Unit
[MAX_2]	Maximum Cell Size	-	1	Maximum Cell Size	ASCII	4	Unsigned integer(0~9999), blank means no data	um2
[MIN_2]	Minimum Cell Size	-	1	Minimum Cell Size	ASCII	4	Unsigned integer(0~9999), blank means no data	um2
[JUDGE_2]	Reliability	-	1	Judge of reliability	ASCII	1	0(×),1(○),2(△)	-
[THK_2]	Corneal Thickness	-	1	Corneal Thickness	ASCII	4	Unsigned integer(0~9999), blank means no data	mm
[THK_US_OFFSET_2]	Offset from ultrasound pachymetry	-	2	Setting	ASCII	3	0(not display), or 1(display)	—
				Value	ASCII	3	Signed integer(-99~99), blank means no data	um
[HG_RNG_2]	Histogram Range	-	2	Upper Limit	ASCII	4	Unsigned integer(0~1999), blank means no data	um2
				Lower Limit	ASCII	4	Unsigned integer(0~1999), blank means no data	um2
[HG_AREA_2]	Area Histogram	-	10	Result1	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result2	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result3	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result4	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result5	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result6	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result7	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result8	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result9	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result10	ASCII	2	Unsigned integer(0~99), blank means no data	%
[HG_APEX_2]	Apex Histogram	-	8	Result1	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result2	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result3	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result4	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result5	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result6	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result7	ASCII	2	Unsigned integer(0~99), blank means no data	%
				Result8	ASCII	2	Unsigned integer(0~99), blank means no data	%
[ANS_RNG_2]	Target Image Area	-	4	Left Side	ASCII	3	Unsigned integer(0~265), blank means no data	-
				Upper Side	ASCII	3	Unsigned integer(0~479), blank means no data	-
				Right Side	ASCII	3	Unsigned integer(0~265), blank means no data	-
				Lower Side	ASCII	3	Unsigned integer(0~479), blank means no data	-
[DA_NUMB_ER_2]	DarkArea Numver of analyzed cell	-	1	DarkArea Numver of analyzed cell	ASCII	4	Unsigned integer(0~9999), blank means no data	number
[DAD_2]	DarkArea Cell Density	-	1	DarkArea Cell Density	ASCII	4	Unsigned integer(0~9999), blank means no data	number/mm2

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Tag Name	Explanation of the tag	Field following a tag						
		Number of appearance	Number of fields	Name of fields	Character type	Maximum number of the characters	Detail	Unit
[DA_AVG_2]	DarkArea Average size	-	1	DarkArea Average size	ASCII	4	Unsigned integer(0~9999) , blank means no data	um2
[DA_SD_2]	DarkArea Standard Deviation	-	1	DarkArea Standard Deviation	ASCII	4	Unsigned integer(0~9999) , blank means no data	um2
[DA_CV_2]	DarkArea Coefficient of Variation	-	1	DarkArea Coefficient of Variation	ASCII	4	Unsigned integer(0~9999) , blank means no data	%
[DA_MAX_2 ]	DarkArea Maximum Cell Size	-	1	DarkArea Maximum Cell Size	ASCII	4	Unsigned integer(0~9999) , blank means no data	um2
[DA_MIN_2]	DarkArea Minimum Cell Size	-	1	DarkArea Minimum Cell Size	ASCII	4	Unsigned integer(0~9999) , blank means no data	um2
[DA_RATIO_2]	DarkArea Ratio	-	1	DarkArea Ratio	ASCII	5	Unsigned decimal(0.0~100.0), blank means no data (limit : first decimal place)	%
[DA_HG_A REA_2]	DarkArea Area Histogram	-	3	Result1	ASCII	2	Unsigned integer(0~99) , blank means no data	%
				Result2	ASCII	2	Unsigned integer(0~99) , blank means no data	%
				Result3	ASCII	2	Unsigned integer(0~99) , blank means no data	%
[DA_SET_2 ]	Dark Area Setting	-	1	Dark Area Setting	ASCII	1	0(Dark Area OFF), or 1(Dark Area ON) *Setting of Dark Area at analysis in Setup window.	%
[DA_DETE CTION_2]	DarkArea Detection	-	1	DarkArea Detection	ASCII	1	0(Dark Area OFF detection), or 1(Dark Area ON detection) * Setting of Dark Area Detection at analysis in Setup window. (*1)	
[EDITED_F LAG_2]	Flag of Edit	-	1	Flag of Edit	ASCII	1	0(not edited), or 1(edited) *Flag is set when it's edited by operation. (*1)	



## DATA FORMAT : Examination data part SPECULAR2(version : 1-00-01)

### 2. Samples

#### 2-1. Both Eye Test

##### Sample

```
[FM_IF],SPECULAR2,1-00-00
[FILES_N],11
[FILE],00000001_20140117180130_R_front.bmp,FRONT,R,1
[FILE],00000001_20140117180130_R_trace.bin,TRACE,R,1
[FILE],00000001_20140117180130_R_analysis.bin,ANALYSIS,R,1
[FILE],00000001_20140117180130_R_singlecap.jpg,COPY2,R,1
[FILE],00000001_20140117180130_R_endo.bmp,ENDO,R,1
[FILE],00000001_20140117130220_L_front.bmp,FRONT,L,2
[FILE],00000001_20140117130220_L_trace.bin,TRACE,L,2
[FILE],00000001_20140117130220_L_analysis.bin,ANALYSIS,L,2
[FILE],00000001_20140117130220_L_singlecap.jpg,COPY2,L,2
[FILE],00000001_20140117130220_L_endo.bmp,ENDO,L,2
[FILE],00000001_20140117130220_B_dual.jpg,COPY2,B,
[MAC_V],00
[RL_1],R
[SPECULAR_ANALYSIS_AUTO_1], EM-4000_003
[SPECULAR_ANALYSIS_LCOUNT_1], EM-4000_001
[SPECULAR_ANALYSIS_CORE_1], EM-4000_001
[ST_DT_1],1/17/2014
[ST_TM_1],6:01:30 PM
```

##### Explanation

```
SPECULAR2 version 1-00-00
11 Attached files
00000001_20140117180130_R_front.bmp Ocular surface of right eye after correction
00000001_20140117180130_R_trace.bin (Right eye)trace image
00000001_20140117180130_R_analysis.bin (Right eye)analysis image(Area, Apex)
00000001_20140117180130_R_singlecap.jpg (Right eye)the hardcopy of the display image
00000001_20140117180130_R_endo.bmp (Right eye)corrected endothelium image
00000001_20140117130220_L_front.bmp Ocular surface of left eye after correction
00000001_20140117130220_L_trace.bin (Left eye)trace image
00000001_20140117130220_L_analysis.bin (Left eye)analysis image(Area, Apex)
00000001_20140117130220_L_singlecap.jpg (Left eye)the hardcopy of the display image
00000001_20140117130220_L_endo.bmp (Left eye)corrected endothelium image
00000001_20140117180130_B_dualcap. jpg Capture image of analysis window of both eyes
Version 00
Right eye
(Right eye) Analysis Software Version (Auto) EM-4000_003
(Right eye) Analysis Software Version (L-count) EM-4000_001
(Right eye) Analysis Software Version (Core) EM-4000_001
(Right eye) Measurement Date
(Right eye) Measurement Time
```

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[ANALYSIS_METHOD_1],AUTO	(Right eye) Analysis method Auto analysis
[FILTER_SIZE_1],SMALL	(Right eye) Filter Size SMALL
[PIXEL_SIZE_1],1154	(Right eye) Optical adjustment scale 1154nm
[FIXATION_1],CENTER	(Right eye) Fixation light position = center
[NUMBER_1],150	(Right eye) Number of analyzed cell 150
[DENSITY_1],2500	(Right eye) Cell Density 2,500/mm2
[AVG_1],350	(Right eye) Average Cell Size 350um2
[SD_1],150	(Right eye) Standard Deviation 150
[CV_1],40	(Right eye) Coefficient of Variation 40
[MAX_1],1300	(Right eye) Maximum Cell Size 1,300um2
[MIN_1],125	(Right eye) Minimum Cell Size 125um2
[JUDGE_1],1	(Right eye) Judge of reliability o
[THK_1],515	(Right eye) Corneal Thickness 515um
[THK_US_OFFSET_1],1,13	(Right eye) Offset from ultrasound pachymetry display, Offset value 13um *setting at exporting
[HG_RNG_1],100,900	(Right eye) Area histogram Lower Limit 100, Upper Limit 900
[HG_AREA_1],0,6,21,36,25,7,1,0,0,4	(Right eye) Area Histogram Result1:0%,Result2:6%, Result3:21%, Result4:36%, Result5:25%, Result6:7%,Result7:1%, Result8:0%, Result9:0%, Result10:4%
[HG_APEX_1],4,8,42,37,6,0,0,0	(Right eye) Apex Histogram Result1:4%,Result2:8%, Result3:42%, Result4:37%, Result5:6%, Result6:0%,Result7:0%, Result8:0%
[ANS_RNG_1],5,5,261,474	(Right eye) Taget Image Area Left side 5,Upper side 5,Right side 261,Lower side 474
[DA_NUMBER_1],6	(Right eye) DarkArea Number of analyzed cell 6
[DAD_1],1208	(Right eye) DarkArea Cell Density 1208/um2
[DA_AVG_1],828	(Right eye) DarkArea Average size 828 um2
[DA_SD_1],21	(Right eye) DarkArea Standard Deviation 21 um2

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[DA_CV_1],32	(Right eye) DarkArea Coefficient of Variation 32%
[DA_MAX_1],1021	(Right eye) DarkArea Maximum Cell Size 1021 um2
[DA_MIN_1],342	(Right eye) DarkArea Minimum Cell Size 342 um2
[DA_RATIO_1],3.7	(Right eye) DarkArea Ratio 3.7%
[DA_HG_AREA_1],0,13,35	(Right eye) DarkArea Area Histogram 0,13,35
[DA_SET_1],0	(Right eye) DarkArea Setting off
[DA_DETECTION_1],0	(Right eye) DarkArea Detection non
[EDITED_FLAG_1],0	(Right eye) Flag of Edit Off(not edited)
[RL_2],L	Left eye
[SPECULAR_ANALYSIS_AUTO_2],EM-4000_003	(Left eye) Analysis Software Version (Auto) EM-4000_003
[SPECULAR_ANALYSIS_LCOUNT_2],EM-4000_001	(Left eye) Analysis Software Version (L-count) EM-4000_001
[SPECULAR_ANALYSIS_CORE_2],EM-4000_001	(Left eye) Analysis Software Version (Core) EM-4000_001
[ST_DT_2],1/17/2014	(Left eye) Measurement Date
[ST_TM_2],6:01:30 PM	(Left eye) Measurement Time
[ANALYSIS_METHOD_2],AUTO	(Left eye) Analysis method Auto analysis
[FILTER_SIZE_2],SMALL	(Left eye) Filter Size SMALL
[PIXEL_SIZE_2],1154	(Left eye) Optical adjustment scale 1154nm
[FIXATION_2],CENTER	(Left eye) Fixation light position = center
[NUMBER_2],150	(Left eye) Number of analyzed cell 150
[DENSITY_2],2500	(Left eye) Cell Density 2,500/mm2
[AVG_2],350	(Left eye) Average Cell Size 350um2
[SD_2],150	(Left eye) Standard Deviation 150
[CV_2],40	(Left eye) Coefficient of Variation 40
[MAX_2],1300	(Left eye) Maximum Cell Size 1,300um2

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[MIN_2],125	(Left eye) Minimum Cell Size 125um <sup>2</sup>
[JUDGE_2],1	(Left eye) Judge of reliability 0
[THK_2],515	(Left eye) Corneal Thickness 515um
[THK_US_OFFSET_2],1,13	(Left eye) Offset from ultrasound pachymetry display, Offset value 13um *setting at exporting
[HG_RNG_2],100,900	(Left eye) Area histogram Lower Limit 100, Upper Limit 900
[HG_AREA_2],0,6,21,36,25,7,1,0,0,4	(Left eye) Area Histogram Result1:0%,Result2:6%, Result3:21%, Result4:36%, Result5:25%, Result6:7%,Result7:1%, Result8:0%, Result9:0%, Result10:4%
[HG_APEX_2],4,8,42,37,6,0,0,0	(Left eye) Apex Histogram Result1:4%,Result2:8%, Result3:42%, Result4:37%, Result5:6%, Result6:0%,Result7:0%, Result8:0%
[ANS_RNG_2],5,5,261,474	(Left eye) Target Image Area Left side 5,Upper side 5,Right side 261,Lower side 474
[DA_NUMBER_2],6	(Left eye) DarkArea Number of analyzed cell 6
[DAD_2],1208	(Left eye) DarkArea Cell Density 1208/um <sup>2</sup>
[DA_AVG_2],828	(Left eye) DarkArea Average size 828 um <sup>2</sup>
[DA_SD_2],21	(Left eye) DarkArea Standard Deviation 21 um <sup>2</sup>
[DA_CV_2],32	(Left eye) DarkArea Coefficient of Variation 32%
[DA_MAX_2],1021	(Left eye) DarkArea Maximum Cell Size 1021 um <sup>2</sup>
[DA_MIN_2],342	(Left eye) DarkArea Minimum Cell Size 342 um <sup>2</sup>
[DA_RATIO_2],3.7	(Left eye) DarkArea Ratio 3.7%
[DA_HG_AREA_2],0,13,35	(Left eye) DarkArea Area Histogram 0,13,35
[DA_SET_2],0	(Left eye) DarkArea Setting off
[DA_DETECTION_2],0	(Left eye) DarkArea Detection non
[EDITED_FLAG_2],0	(Left eye) Flag of Edit Off(not edited)

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DATA FORMAT : Examination data part SPECULAR2(version : 1-00-01)

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### 3 . Blank condition of analysis parameter

Under following conditions those parameters of tags are blank.

Condition	Blank tag
Automatic analysis(When Judge of reliability is '0')	[NUMBER_1/2], [DENSITY_1/2], [AVG_1/2], [SD_1/2], [CV_1/2], [MAX_1/2], [MIN_1/2], [HG_RNG_1/2], [HG_AREA_1/2], [HG_APEX_1/2]
L count	[FILTER_SIZE_1/2], [SD_1/2], [CV_1/2], [MAX_1/2], [MIN_1/2], [JUDGE_1/2], [HG_RNG_1/2], [HG_AREA_1/2], [HG_APEX_1/2], [DA_NUMBER_1/2], [DAD_1/2], [DA_AVG_1/2], [DA_SD_1/2], [DA_CV_1/2], [DA_MAX_1/2], [DA_MIN_1/2], [DA_RATIO_1/2], [DA_HG_AREA_1/2], [DA_SET_1/2], [DA_DETECTION_1/2], [EDITED_FLAG_1/2]
Core method(only EM-4000)	[FILTER_SIZE_1/2], [JUDGE_1/2], [ANS_RNG_1/2], [DA_NUMBER_1/2], [DAD_1/2], [DA_AVG_1/2], [DA_SD_1/2], [DA_CV_1/2], [DA_MAX_1/2], [DA_MIN_1/2], [DA_RATIO_1/2], [DA_HG_AREA_1/2], [DA_SET_1/2], [DA_DETECTION_1/2], [EDITED_FLAG_1/2]