

Supplemental Table 1.

Roche Questionnaire on Mouse Lightning Conditions/Retinal Atrophy (A)

CRO Name, address	
Should your CROs name appear in the acknowledgment of the publication if your data are used ?	Yes / No

All 6 questions below refer to **6-month chronic toxicity** and **2-year carcinogenicity studies in albino mice**:

1. Which cage type(s) do you use for 6-month chronic toxicity and 2-year carcinogenicity studies in mice?		
	Cage type, 6-month mouse studies	Cage type, mouse carcinogenicity
<u>Reply:</u>	<i>e.g., Macrolon type with metal wire mesh plate; wire mesh with metal plate; others?</i>	
<u>Add. Comments:</u>		

2. What is the light-dark schedule during 24 hrs ?	
<u>Reply:</u>	<i>e.g. "12hrs light-on by automatic timer from 6am to 6pm" etc</i>
<u>Add. Comments:</u>	

3. What is the range (min-max) of the illumination level outside the cages (at about 1.5m above floor) ?	
<u>Reply:</u>	<i>Min. xx lux to max. yy lux (Please specify whether Macrolon/Wire Mesh)</i>
<u>Add. Comments:</u>	

4. What is the range (min-max) of the illumination level inside the cages depending on shelf position ?	
<u>Reply:</u>	<i>Min. xx lux to max. yy lux. (please specify the measuring probe location, and the different values by shelf position if possible – eg. Top – Middle - Bottom)</i>
<u>Add. Comments:</u>	

5. Do you rotate cages in your 6-month chronic toxicity and 2-year carcinogenicity studies in mice and if yes, how often and in which way is it done ?		
	Rotation, 6-month mouse studies	Rotation, mouse carcinogenicity
<u>Reply:</u>	<i>e.g., no rotation or rotation weekly by...</i>	
<u>Add. Comments:</u>		

6. What is your historical background incidence (%) of retinal atrophy in CD-1, and other mouse strains (male/female) often used for 6-month and 2-year studies?			
6-month studies	Incidence retinal atrophy, CD-1	Incidence retinal atrophy, other strain(s) often used	Incidence retinal atrophy, other strain(s) often used
<u>Reply:</u> <i>Please indicate if different cage types were used</i>	Strain: <i>e.g., CrI:CD-1 (ICR)BR</i> Males: % Females: % How many studies: n= ?	Strain: Males: % Females: % How many studies: n= ?	Strain: Males: % Females: % How many studies: n= ?
<u>Add. Comments:</u>			
2-year studies	Incidence retinal atrophy, CD-1	Incidence retinal atrophy, other strain(s) often used	Incidence retinal atrophy, other strain(s) often used
<u>Reply:</u> <i>Please indicate if different cage types were used</i>	Strain: Males: % Females: % How many studies: n= ?	Strain: Males: % Females: % How many studies: n= ?	Strain: Males: % Females: % How many studies: n= ?
<u>Add. Comments:</u>			

Roche Questionnaire on Rat Lightning Conditions/Retinal Atrophy (B)

All 6 questions below refer to **6-month chronic toxicity** and **2-year carcinogenicity studies in albino rats**

7. Which cage type(s) do you use for 6-month chronic toxicity and 2-year carcinogenicity studies in rats ?		
	Cage type, 6-month rat studies	Cage type, rat carcinogenicity studies
<u>Reply:</u>	<i>e.g., Macrolon type with metal wire mesh plate; wire mesh with metal plate; others?</i>	
<u>Add. Comments:</u>		

8. What is the light-dark schedule during 24 hrs ?	
<u>Reply:</u>	<i>e.g. "12hrs light-on by automatic timer from 6am to 6pm" etc</i>
<u>Add. Comments:</u>	

9. What is the range (min-max) of the illumination level <i>outside</i> the cages (at about 1.5m above floor) ?	
<u>Reply:</u>	<i>Min. xx lux to max. yy lux (Please specify whether Macrolon/Wire Mesh)</i>
<u>Add. Comments:</u>	

10. What is the range (min-max) of the illumination level <i>inside</i> the cages depending on shelf position ?	
<u>Reply:</u>	<i>Min. xx lux to max. yy lux (please specify the measuring probe location, and the different values by shelf position)</i>
<u>Add. Comments:</u>	

11. Do you rotate cages in your 6-month chronic toxicity and 2-year carcinogenicity studies in rats and if yes, how often and in which way is it done ?		
	Rotation, 6-month rat studies	Rotation, rat carcinogenicity studies
<u>Reply:</u>	<i>e.g., no rotation or rotation weekly by...</i>	
<u>Add. Comments:</u>		

12. What is your historical background incidence (%) of retinal atrophy in Wistar, Sprague Dawley and other rat strains (male/female) routinely used for 6-month and 2-year studies ?			
6-month studies	Incidence retinal atrophy, Wistar	Incidence retinal atrophy, Sprague Dawley	Incidence retinal atrophy, other strain(s) often used
<u>Reply:</u> <i>Please indicate if different cage types were used</i>	Strain: <i>e.g., HsdHanTM:WIST</i> Males: % Females: % How many studies: n= ?	Strain: Males: % Females: % How many studies: n= ?	Strain: Males: % Females: % How many studies: n= ?
<u>Add. Comments:</u>			
2-year studies	Incidence retinal atrophy, Wistar	Incidence retinal atrophy, Sprague Dawley	Incidence retinal atrophy, other strain(s) often used
<u>Reply:</u> <i>Please indicate if different cage types were used</i>	Strain: Males: % Females: % How many studies: n= ?	Strain: Males: % Females: % How many studies: n= ?	Strain: Males: % Females: % How many studies: n= ?
<u>Add. Comments:</u>			

Note: Questions 6 and 12 do not differentiate between age-related and light-induced retinal atrophy.