

## **Dispersion medium biocompatibility study nose pathology report (E607)**

Biocompatibility of Intranasal New Dispersion Medium #1, later known as Solution for Nasal and Olfactory Transport (SNOT) at 1 hr post-exposure

Brain was exposed and imaged by stereomicroscopy prior to tissue collection leading to missing portions of some sections of nose

**Pathologist's interpretative summary:** This study evaluated morphologic alterations in mice after intranasal exposure to SNOT (n = 3) or left untreated (n = 3). Four sections of nose, labelled T1, T2, T3 and T4, from the front to the back of the nose were evaluated in each mouse except for 3 sections that were not interpretable due to orientation. Some artifacts of the necropsy procedure were identified but no morphologic alterations were identified in any tissue.

### **Medium 1 Exposed mice**

P17-1807, T1: No significant lesions (NSL)

P17-1807, T2: NSL

P17-1807, T3: NSL

P17-1807, T4: NSL

Comment: A moderate quantity of amorphous eosinophilic to basophilic material is within the lumen of the section and may be residual Media 1. Section is also labelled T3 but was corrected by hand on the slide.

P17-1810, T1: Re-orientation needed

P17-1810, T2: NSL

Comment: Significant chatter is present in the sections

P17-1810, T3: NSL

Comment: Large portions of the section are missing

P17-1810, T4: Most of the section is artifactually absent but the nasopharyngeal duct, which is present, is within normal morphologic limits.

P17-1813, T1: NSL

Comment: The section is a bit further back than a standard T1 section

P17-1813, T2: NSL

P17-1813, T3: NSL

Comment: Portions of the section are missing

P17-1813, T4: NSL

Comment: Portions of the nasopharyngeal duct and olfactory neuroepithelium are present on the section and are within normal morphologic limits but most of section T4 is missing from the slide.

### **Unexposed controls**

P17-1808, T1: NSL

Comment: Portions of the section are artifactually absent

P17-1808, T2: NSL

Comment: Portions of the section are artifactually absent

P17-1808, T3: NSL

P17-1808, T4: NSL

Comment: A moderate quantity of amorphous eosinophilic to basophilic material is within the lumen of the section. Section is also labelled T3 but was corrected by hand to 3on the slide.

P17-1811, T1: NSL

P17-1811, T2: NSL

P17-1811, T3: Re-orientation needed

P17-1811, T4: Most of the section is artifactually absent but the nasopharyngeal duct, which is present, is within normal morphologic limits.

P17-1814, T1: NSL

Comment: The section is a bit further back than a standard T1 section

P17-1814, T2: NSL

P17-1814, T3: Most of the section is artifactually absent

P17-1814, T4: NSL

Comment: Portions of the nasopharyngeal duct and olfactory neuroepithelium are present on the section and are within normal morphologic limits but most of section T4 is missing from the slide.