

Collection: 000038; Video Rate:25 fps; Master Digital Formats: 1920 x 1080 Uncompressed 10-bit 4:2:2. Prores(HQ); Acquisition Format: 16mm. Film

000038-BA05C143: Two gills face to face to resemble a cross section through a small and narrow airway. Horizontally orientated resembling the lumen of a narrowing bronchial tube . Mucus traps food for the mussel or particles and bacteria in the air to protect the lungs. Little mucus present. Differential Interference Contrast microscopy. Dark bluish background colour. Low magnification. Stand in demonstration of mucus ciliated epithelium. Eg; in the lungs.

000038-BA05C146: Ciliated epithelium on the gill bar of the mussel *Mytilus edulis*. Cilia beating at around twenty beats per second. Horizontally orientated. Single surface. Debris entangled in a thick mucus layer being transported across the frame. Granular goblet cells visible within epithelium below cilia. Differential Interference Contrast microscopy. Dark bluish background colour. Medium magnification. Stand in demonstration of mucus ciliated epithelium. Eg; in the lungs.

000038-BA05C147: Ciliated epithelium on the gill bar of the mussel *Mytilus edulis*. Cilia beating at around twenty beats per second. Horizontally orientated. Single surface. Debris entangled in a thick mucus layer being transported across the frame. Mucus lifts away from ciliary surface. Granular goblet cells visible within epithelium below cilia. Differential Interference Contrast microscopy. Dark bluish background colour. Low magnification. Stand in demonstration of mucus ciliated epithelium. Eg; in the lungs.