Collection: 025004;  Video Rate:25 fps;  Master Digital Formats: 1920 x 1080 Uncompressed 10-bit 4:2:2. Prores((HQ);  Acquisition Format: TIFF seq

025004-VC09C002_S1: BHK: Baby Hamster kidney fibroblasts. Normal Cell Growth.  X20Phase Contrast Microscopy BHK control2. 025004-VC09C002 accelerated by 200%. Filmed in Collaboration with the Department of Oncology at the University of Oxford.

025004-VC09C003: c2c12: Myoblastic cells Differentiation. Muscle fibres forming within the cells. The myogenesis has been triggered by the presence of the correct factors in the culture medium.  X20Phase Contrast Microscopy c2c12 cells in dmem 2% horse serum. c2c12 are myoblast cells that can undergo myogenesis.  2% FCS or 2% HS causes differentiation. Filmed in Collaboration with the Department of Oncology at the University of Oxford.

025004-VC09C004: c2c12: Myoblastic cells Differentiation. Without the necessary trigger to cause muscle fibres to grow, the cells simply continue to grow and divide with no differentiation.  X20Phase Contrast Microscopy c2c12 cells growing in 10% FCS is control. c2c12 are myoblast cells that can undergo myogenesis. Filmed in Collaboration with the Department of Oncology at the University of Oxford.

025004-VC09C005: N2A: Mouse neuronal cell line. Differentiation. The start of neurite formation as short processes grow from the cells. In life these would differentiate into nerve cells.  X20Phase Contrast Microscopy N2A Differentiation (serum free media). n2a are a mouse neuronal cell line - this was an attempt to produce neurites which I think was unimpressive and was probably because these cells have been in culture for many passages. Filmed in Collaboration with the Department of Oncology at the University of Oxford.

025004-VC11C001: SKOV3: human ovarian carcinoma undergoing  Cell Division. Rapid cell division in a human cancer cell line. The cells soon form a dense lawn of tissue.  X40Phase Contrast Microscopy Normal (cancerous) SKOV3 cell growth. Filmed in Collaboration with the Department of Oncology at the University of Oxford.