

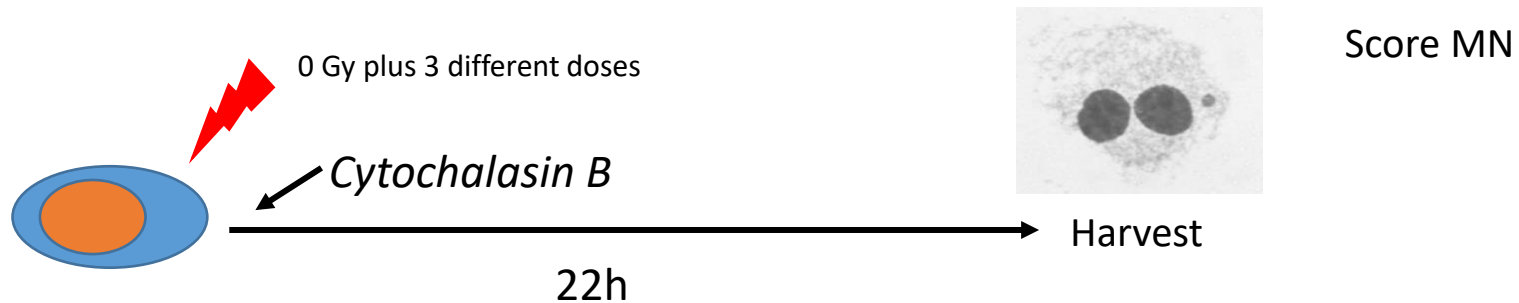
# Micronuclei on images

## Scoring instructions

### How were the cells treated?

Human U2OS cancer cells were irradiated with different doses of gamma radiation using a  $^{137}\text{Cs}$  source at the SU. The dose rate was 0.4 Gy/min.

Following irradiation Cytochalasin B was added to each culture and left until harvest. Cells were harvested 22 hours later according to a standard protocol, dropped on slides and stained with Giemsa. Slides were coded C, F, K and W and represent 0 Gy plus 3 different doses.



### What you should do

Download the file „MN\_images\_for\_scoring.zip” and unzip on your computer. Images will unzip into folders Dose C, Dose F, Dose K and Dose W.

Score images in each folder analysing 250 binucleated cells per treatment for the frequency of micronuclei. Use the Excel scoring sheet. It automatically calculates the dispersion index.

Use the CABAS software and the calibration curve included in the Excel scoring sheet to calculate the doses received by cells C, F, K and W.