Colorectal Carcinoma tumour model – HCT 116

HCT 116 cells

Human HCT 116 cells were isolated from the colon of a patient with colorectal carcinoma.

Tumour growth *in vivo*

The cells were collected from a tissue culture flask and injected subcutaneously in the right flank of SCID-CB17 mice. The resulting tumours were monitored by measuring two diameters with calipers, and extrapolating the volume to a sphere.
The mice bearing HCT116 tumours can be treated by intra-peritoneal, intra-venous, intra-tumoral or subcutaneous injection of the compounds. Per os administration is also possible.

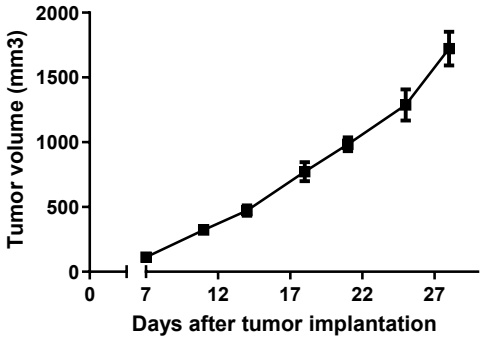

Figure 1: Tumour growth curve of the HCT 116 cells as xenograft
Mean ± SEM (n=5; take rate 100%)

Antineo can also perform an intra-caecal implantation.

Standard-Of-Care Drug Reponses

oxylaplatin 5 mg/kg qw → No response

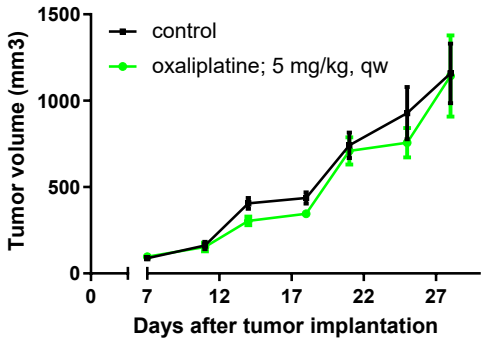

Figure 2: Effect of oxliplatin treatment on HCT 116 tumour growth
Mean ± SEM (n=5 per group; take rate 100%)