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Mouse based tumor modelling

Choice of appropriate cell model

In close contact to our customer we help to chose appropriate cell line(s) and mouse model and take care of the model setup including all necessary controls.

Cell culture

We take care of cultivation of the chosen cell lines.

Subcutaneous transplantation

We are able to use different mouse models including NOD/SCID, SCID or NUDE mice to transplant cells subcutaneously at two sites at each mouse.

Application of substance(s)

We apply test substances according to our customers choice/model setup and additionally take care of application of suitable control substances.

Monitoring of tumor growth

Tumor growth is monitored according to our model setup.

Necropsy

Animals are sacrificed after a given time point, tumor size or physical condition of animals.

Macroscopic analysis of animals

Possible macro-metastases are detected, macroscopic changes are documented.

Histological analysis of organs

Possible micro-metastases and pathology of H/E stained sections are documented.

Final report

A final report is prepared including model setup, application scheme, tumor growth curves, macroscopic documentation and histological analysis of all groups.