

Innovative semi-automated procedure

ready screen

MTD Maximum Tolerated Dose Finding for Drug Discovery

Ready screen MTD is a new service for early finding the Maximum Tolerated Dose (MTD) of new drug candidates. Standardization of protocols together with semi-automated procedures allow us to provide a fast, just on time service. Your drug discovery department can now benefit from the low cost and high reliability of our innovative service.

Order your study using our standard protocol:

Select animal model

Species / Strain	<input type="checkbox"/> Mouse (<i>Mus musculus</i>) / CD1	<input type="checkbox"/> Rat (<i>Rattus norvegicus</i>) / Wistar
Age	10 weeks	8 weeks

Standard protocol

A first screening test is performed to determine MTD.

A confirmatory test is then performed administrating the MTD determined in the first screening.

GLP compliance	GLP-like in GLP facilities
Acclimatisation period	At least 5 days prior to administration
Treatment	1 single administration
Route of Administration	Intravenous or oral (ip, id, im and others also available)
Endpoint	Mortality or humane sacrifice

First screening test

Sex	Nulliparous non-pregnant females
Experimental groups	4 groups corresponding to escalating doses of test item
Number of animals	2 per group
Dosing	Single administration by group. Increasing / decreasing doses for each subsequent group
Method	Interval between dosing of groups: minimum 3 days and maximum 7 days after previous group
Observation period	14 days for each group

Confirmatory test

Sex	Males and nulliparous non-pregnant females
Experimental groups	1 group
Number of animals	10 (5 males and 5 females)
Dosing	Single administration of the MTD found in first screening test
Observation period	14 days

Please inquire about GLP-compliant regulatory-level studies.