

# HOW TO SET NOAEL & LOAEL?

NOAEL- No Adverse Effect Level  
LOAEL- Low Adverse Effect Level

Evaluators determine NOAEL based on endpoints at lowest dose detected toxicity/ adverse effect

## In Short -term toxicity study in rats

Dose tested	Toxicity/adverse effect	
100 mg/kg bw	<ul style="list-style-type: none"> <li>✓ Hepatocellular necrosis</li> <li>✓ Anemia</li> <li>✓ Body weight decrease</li> </ul>	Adverse effects
20 mg/kg bw	<ul style="list-style-type: none"> <li>✓ Body weight decrease</li> </ul>	End point to set NOAEL
5 mg/kg bw		

LOAEL → 20 mg/kg bw  
NOAEL → 5 mg/kg bw

