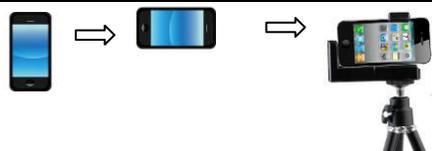


Script to prepare video clip(s)

Manuscript Title:	Determination of anti-ulcer activity of <i>Cestrum nocturnum</i> leaves in ethanol and indomethacin induced ulcer models		
ID: 32790	Indomethacin-induced gastric ulcer model in rat		
Material:	Time:	Date:	Location: Your Lab

Position of your smart phone



Take the video using your smart phone in horizontal position instead of vertical

Smart phone on the tripod reduces the shaking of picture

Preparation of indomethacin solution

Materials and Reagents

Indomethacin, analytical balance, transparent sheet (2x2 inch), spatula, test tube, micropipette, pen

Action	Subtitle
1 Switch on the analytical balance	Close view
2 Fold a transparent sheet twice and then place it on the top of the pan	
3 Make the reading to 'zero'	
4 Show the indomethacin vial	
6 Weigh the indomethacin using a spatula	Close view
7 Transfer the indomethacin from the transparent sheet to a test tube	
8 Dilute it with distilled deionized water	
9 Label the concentration of indomethacin on the test tube	

Administration of indomethacin

Materials and Reagents

Rat, weight machine, indomethacin solution, cannula, syringe (1 mL), gloves

Action	Subtitle
1 Weigh a rat using an weight machine	Wide shot
2 Write it on the laboratory notebook	
3 Calculate the volume of administering indomethacin solution. It should not be more than 1 mL	
4 Withdraw the desired amount of indomethacin within the syringe	

5	Remove the needle from the syringe
6	Fix the cannula at the tip of the syringe
7	Hold a rat by left hand softly
8	Administer the tip of the cannula through the mouth of the rat
9	Push the plunger using right hand in order to administer indomethacin
10	Remove the cannula from the mouth of the rat
11	Keep the rat within a cage for 1 hour
12	No food/water is provided

Sacrifice of rat

Materials and Reagents	Rat, chloroform, desiccator, scissors, forceps, Petri dish, phosphate buffer solution, paper
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Action	Subtitle
1	Show the desiccator
2	Open the lid of the desiccator
3	Keep that rat within the desiccator
4	Add few milliliter of chloroform within the desiccator
5	Close the lid of the desiccator for a few minutes
6	Observe the rat be anesthetized
7	Remove the lid of the desiccator when the rat is anesthetized
8	Place the anesthetized rat on a paper
9	Decapitation of the rat using the scissors
10	Open the abdomen using forceps and scissors
11	Collect the stomach on a Petri dish containing phosphate buffer solution

Calculation of ulcer index

Materials and Reagents	Soft board, pin, scissors, forceps, magnifying glass
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Action	Subtitle
1	Open the stomach along the greater curvature
2	Place the stomach on a soft board and pinned it
3	Observe the inner surface of the stomach using a magnifying glass
4	Show the color, hemorrhagic spot, ulcer spot, perforation on the inner surface of the stomach

5 Note down the color, number of hemorrhagic spot,
ulcer spot, perforation
