

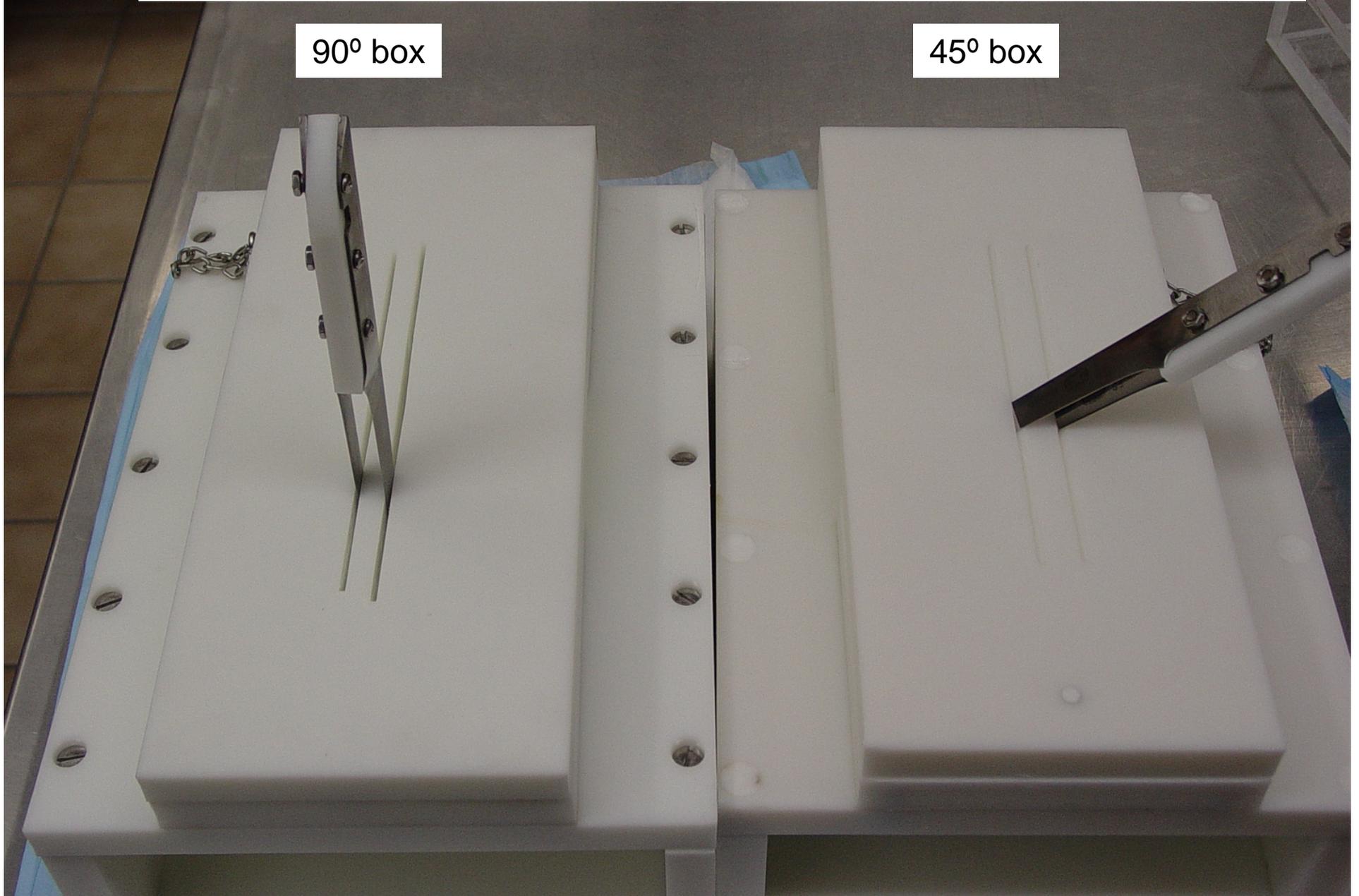
USMARC Slice Shear Force Procedure for Beef Deep pectoral (DP)

- This project was funded, in part, by The Beef Checkoff.

SSF sampling of DP is conducted with the 90° box

90° box

45° box



On the following slides, a picture of a frozen steak is shown rather than a cooked steak. This was done in order to more clearly show steak orientation. But, slice shear force measurement is conducted on cooked steaks. Steaks are sampled and slice shear force is measured immediately after completion of cooking.

Deep pectoral (DP) - Left

Steaks cut perpendicular to fiber



Steak 1

Steak 2

Steak 3

Steak 4

Steak 5

Steak 6

Steak 7

Steak 8

Steak 9

Steak 10

Steak 11

Steak 12



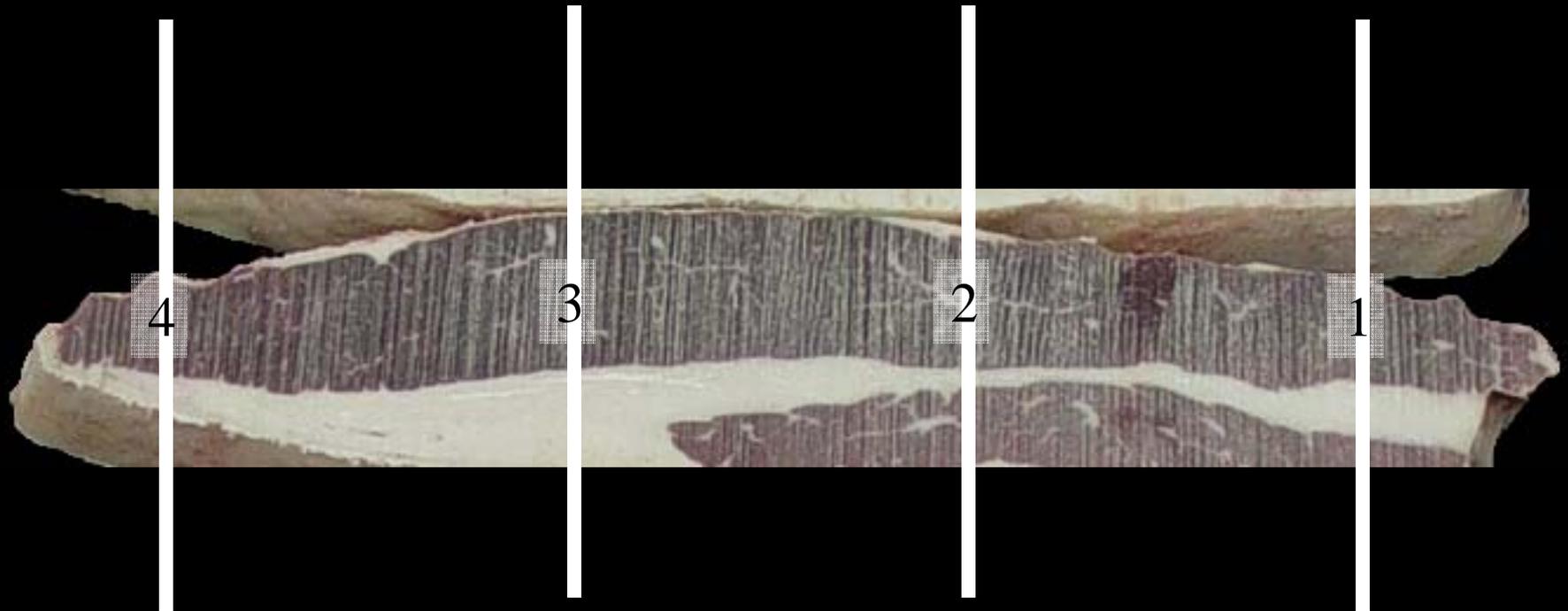
Deep pectoral (DP) - Right

Steaks cut perpendicular to fiber



Deep pectoral

Orient the steak with the blue mark towards the top right. Depending on the length of the steak, obtain up to three 5-cm-long sections per steak. Obtain the first section towards the blue mark (right). Because of warping, you may have to re-square the steak between each section. Using the 90 degree box, obtain 1 slice from each section.



Sample data sheet for DP SSF

DP_SSF data for SSF vs WBS

Date	Animal	Steak	Location	Slice box	SSF	Notes
	51	DP_03	1_Right	90°		
	51	DP_03	2_Center	90°		
	51	DP_03	3_Left	90°		
	51	DP_04	1_Right	90°		
	51	DP_04	2_Center	90°		
	51	DP_04	3_Left	90°		
	52	DP_03	1_Right	90°		
	52	DP_03	2_Center	90°		
	52	DP_03	3_Left	90°		
	52	DP_04	1_Right	90°		
	52	DP_04	2_Center	90°		
	52	DP_04	3_Left	90°		
	53	DP_01	1_Right	90°		
	53	DP_01	2_Center	90°		
	53	DP_01	3_Left	90°		
	53	DP_02	1_Right	90°		
	53	DP_02	2_Center	90°		
	53	DP_02	3_Left	90°		
	54	DP_01	1_Right	90°		
	54	DP_01	2_Center	90°		
	54	DP_01	3_Left	90°		
	54	DP_02	1_Right	90°		
	54	DP_02	2_Center	90°		
	54	DP_02	3_Left	90°		
	55	DP_03	1_Right	90°		
	55	DP_03	2_Center	90°		
	55	DP_03	3_Left	90°		
	55	DP_04	1_Right	90°		
	55	DP_04	2_Center	90°		
	55	DP_04	3_Left	90°		
	56	DP_03	1_Right	90°		
	56	DP_03	2_Center	90°		
	56	DP_03	3_Left	90°		
	56	DP_04	1_Right	90°		
	56	DP_04	2_Center	90°		
	56	DP_04	3_Left	90°		