

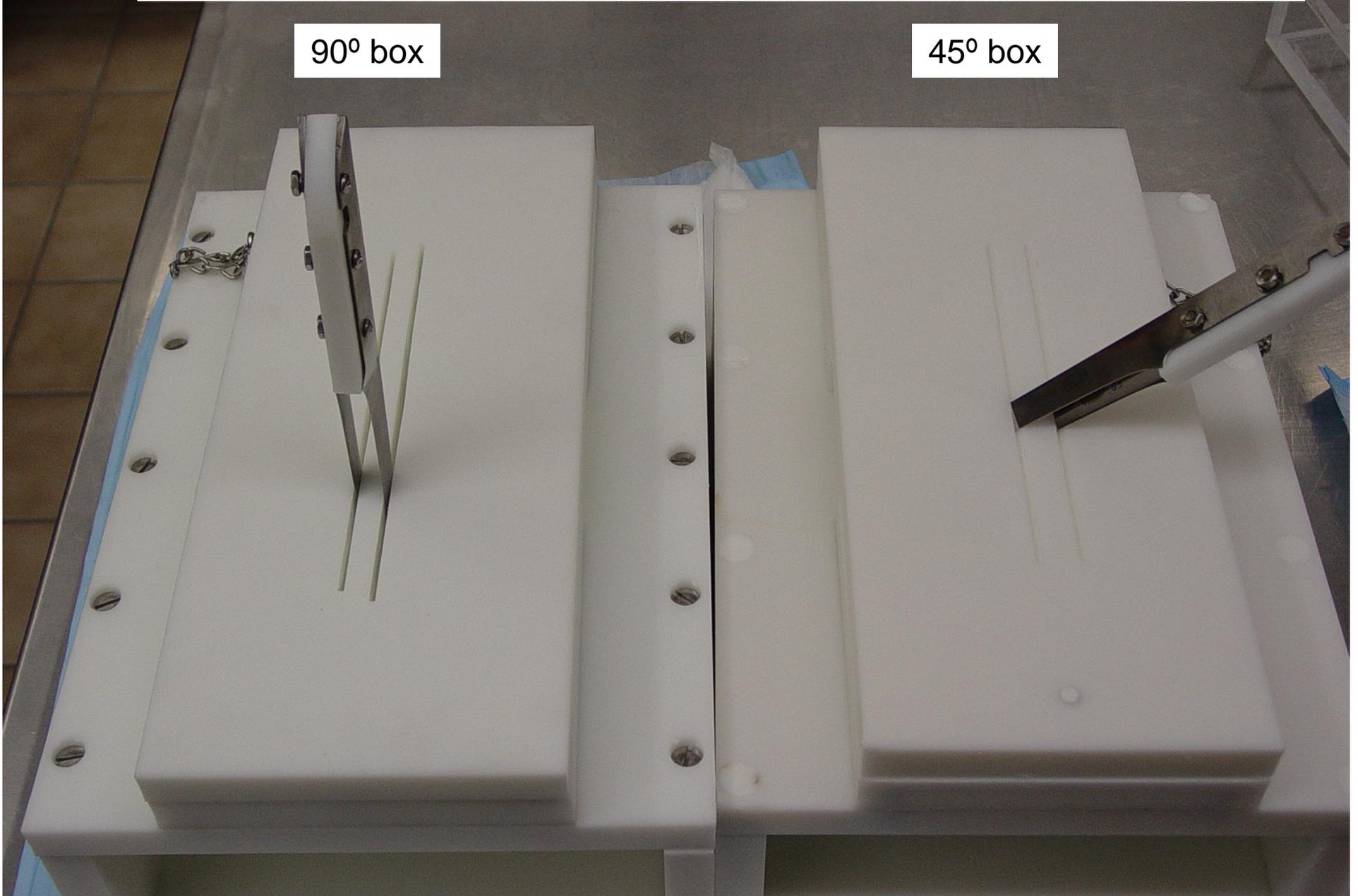
USMARC Slice Shear Force Procedure for Beef Adductor (AD)

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

SSF sampling of AD 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.

Adductor (AD) - Left

Proximal



Distal

Steak 1



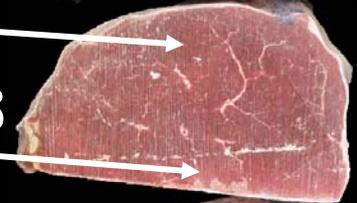
Steak 2



Superficial

Deep

Steak 3



Steak 4



Steak 5



Steak 6



Adductor (AD) - Right

Proximal



Distal

Steak 1

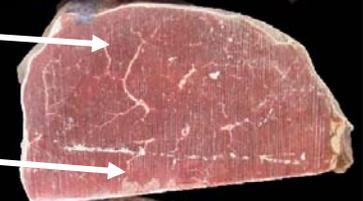


Steak 2



Superficial

Steak 3



Deep

Steak 4



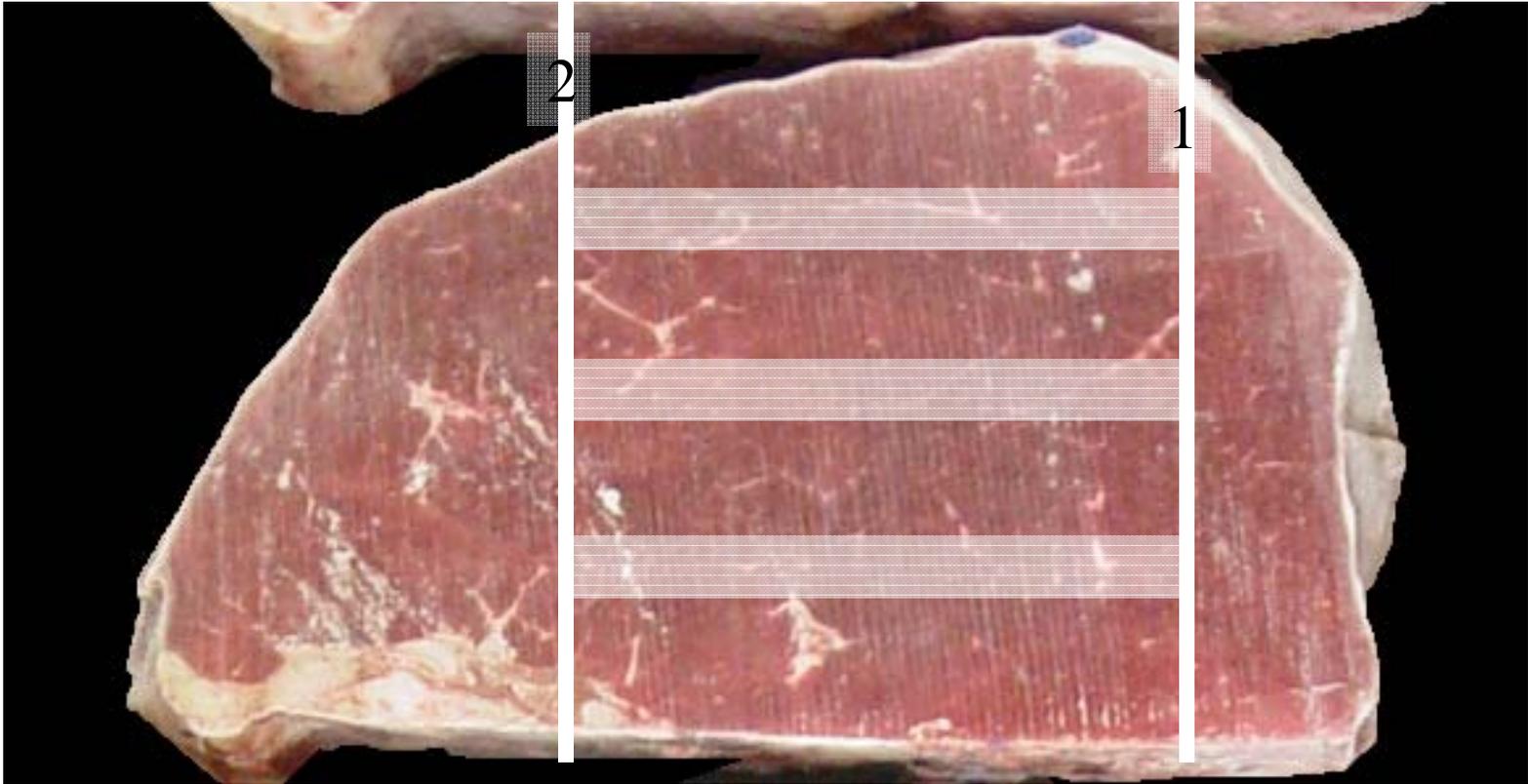
Steak 5



Steak 6

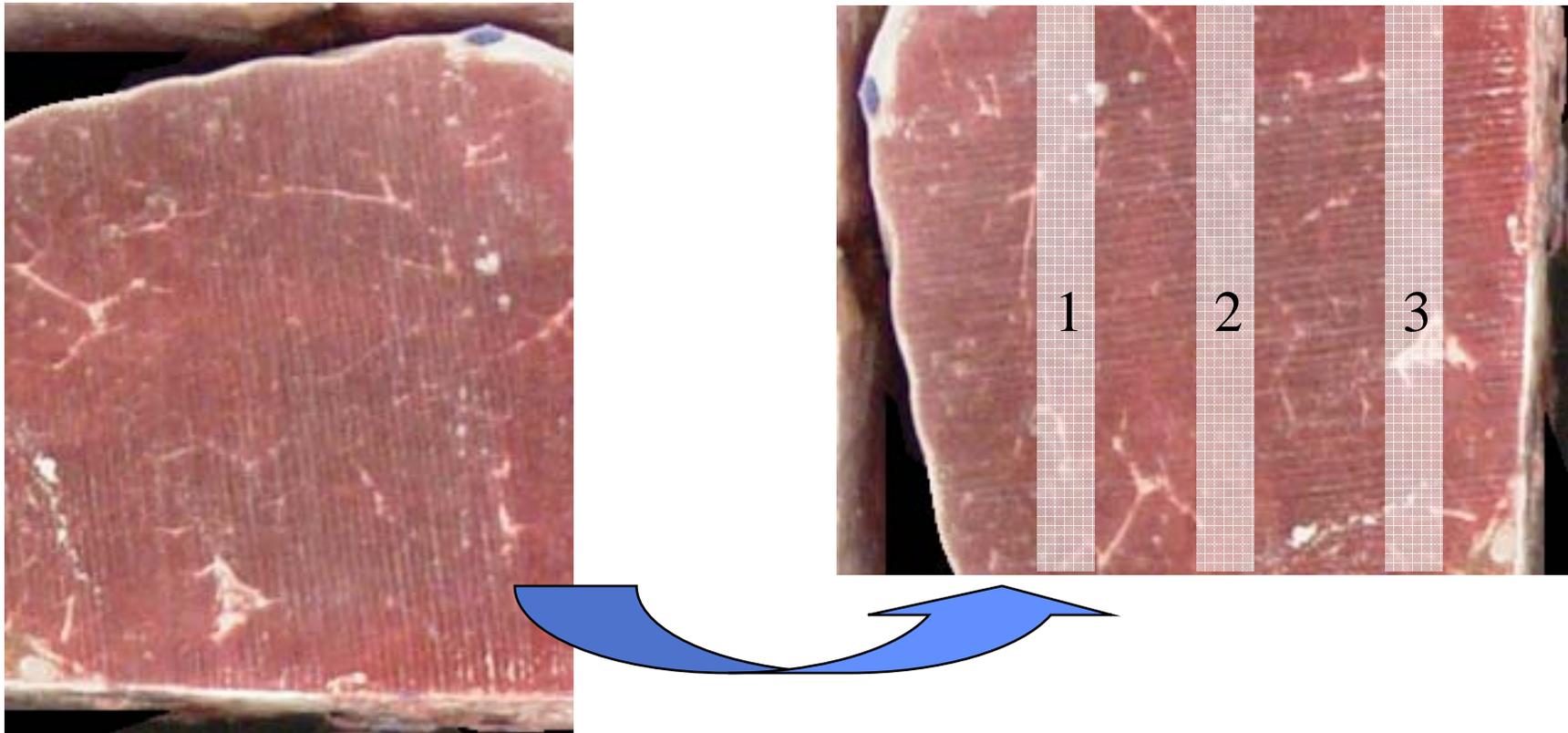


Adductor (AD)



Orient the steak with the blue mark at the top right. Obtain one 5-cm long section and remove up to three slices from the section.

Adductor (AD)



Make cuts 1 and 2 and rotate the piece **counter clockwise** and place in the **90 degree** box. Obtain the 1st slice near the top (now on the left) of the section. Obtain the 2nd slice in the center and the 3rd slice near the bottom (now on the right). Space the slices approximately equally.

Sample data sheet for AD SSF

Fresh_SSF_Data

Date	Yellow tag ID	Muscle	Location	Slice box	SSF	Notes	DPM
07/01/2009	2011	09 AD	091_Top	90°			15
07/01/2009	2011	09 AD	092_Center	90°			15
07/01/2009	2011	09 AD	093_Bottom	90°			15
07/01/2009	2012	09 AD	091_Top	90°			15
07/01/2009	2012	09 AD	092_Center	90°			15
07/01/2009	2012	09 AD	093_Bottom	90°			15
07/01/2009	2013	09 AD	091_Top	90°			15
07/01/2009	2013	09 AD	092_Center	90°			15
07/01/2009	2013	09 AD	093_Bottom	90°			15
07/01/2009	2014	09 AD	091_Top	90°			15
07/01/2009	2014	09 AD	092_Center	90°			15
07/01/2009	2014	09 AD	093_Bottom	90°			15
07/01/2009	2015	09 AD	091_Top	90°			15
07/01/2009	2015	09 AD	092_Center	90°			15
07/01/2009	2015	09 AD	093_Bottom	90°			15
07/01/2009	2016	09 AD	091_Top	90°			15
07/01/2009	2016	09 AD	092_Center	90°			15
07/01/2009	2016	09 AD	093_Bottom	90°			15
07/01/2009	2017	09 AD	091_Top	90°			15
07/01/2009	2017	09 AD	092_Center	90°			15
07/01/2009	2017	09 AD	093_Bottom	90°			15
07/01/2009	2018	09 AD	091_Top	90°			15
07/01/2009	2018	09 AD	092_Center	90°			15
07/01/2009	2018	09 AD	093_Bottom	90°			15
07/01/2009	2019	09 AD	091_Top	90°			15
07/01/2009	2019	09 AD	092_Center	90°			15
07/01/2009	2019	09 AD	093_Bottom	90°			15
07/01/2009	2020	09 AD	091_Top	90°			15
07/01/2009	2020	09 AD	092_Center	90°			15
07/01/2009	2020	09 AD	093_Bottom	90°			15