

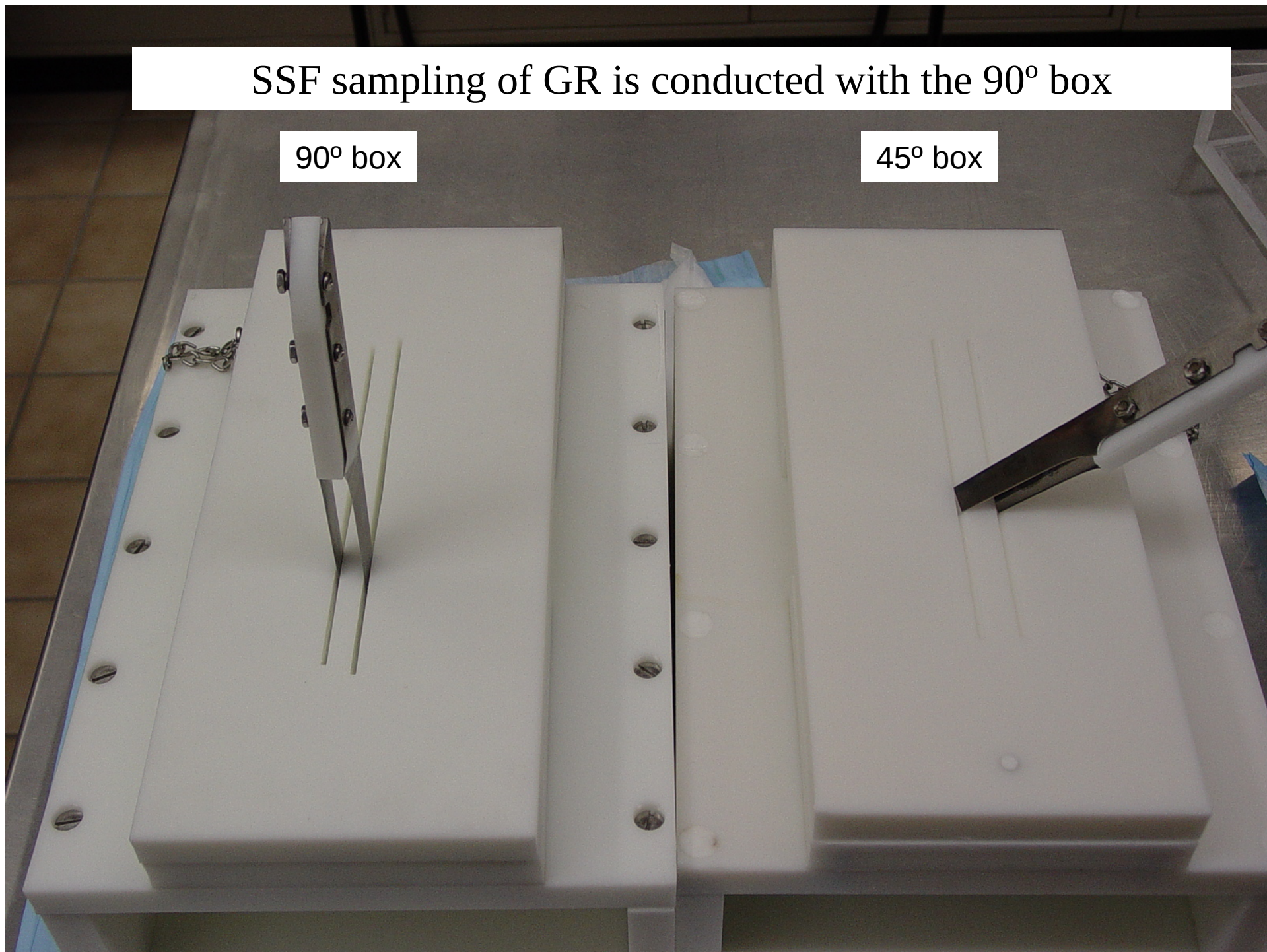
USMARC Slice Shear Force Procedure for Beef Gracilis (GR)

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

SSF sampling of GR is conducted with the 90° box

90° box

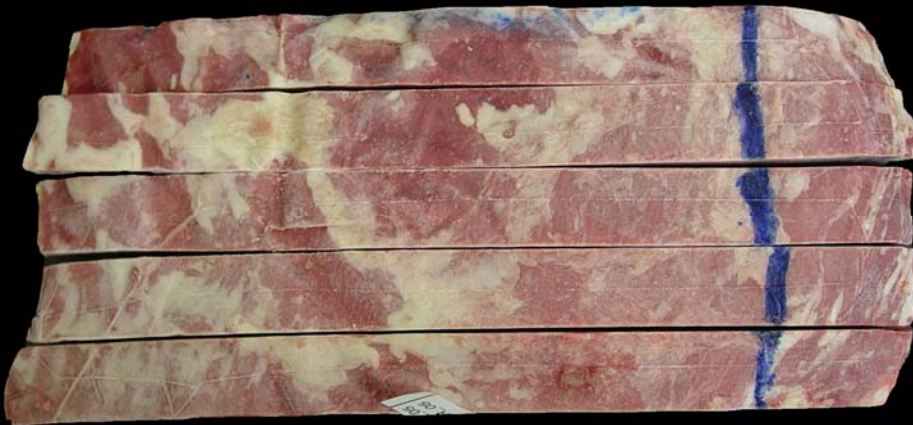
45° box



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.

Gracilis (GR) - Right

Proximal



Distal

Steak 1

Steak 2

Steak 3

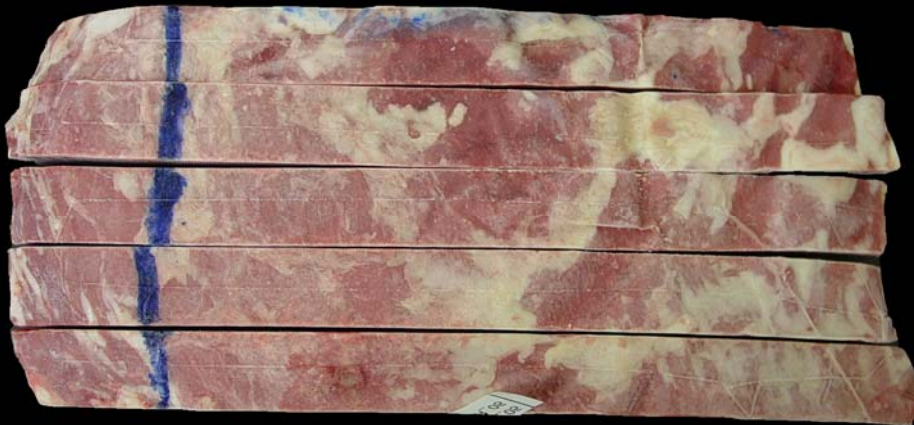
Steak 4

Steak 5



Gracilis (GR) - Left

Proximal



Distal



Gracilis (GR)



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 GR SSF

Fresh_SSF_Data

Date	Yellow tag ID	Muscle	Location	Slice box	SSF	Notes	DPM
07/02/2009	2011	14_GR	141_Right	90°			16
07/02/2009	2011	14_GR	142_Center	90°			16
07/02/2009	2011	14_GR	143_Left	90°			16
07/02/2009	2012	14_GR	141_Right	90°			16
07/02/2009	2012	14_GR	142_Center	90°			16
07/02/2009	2012	14_GR	143_Left	90°			16
07/02/2009	2013	14_GR	141_Right	90°			16
07/02/2009	2013	14_GR	142_Center	90°			16
07/02/2009	2013	14_GR	143_Left	90°			16
07/02/2009	2014	14_GR	141_Right	90°			16
07/02/2009	2014	14_GR	142_Center	90°			16
07/02/2009	2014	14_GR	143_Left	90°			16
07/02/2009	2015	14_GR	141_Right	90°			16
07/02/2009	2015	14_GR	142_Center	90°			16
07/02/2009	2015	14_GR	143_Left	90°			16
07/02/2009	2016	14_GR	141_Right	90°			16
07/02/2009	2016	14_GR	142_Center	90°			16
07/02/2009	2016	14_GR	143_Left	90°			16
07/02/2009	2017	14_GR	141_Right	90°			16
07/02/2009	2017	14_GR	142_Center	90°			16
07/02/2009	2017	14_GR	143_Left	90°			16
07/02/2009	2018	14_GR	141_Right	90°			16
07/02/2009	2018	14_GR	142_Center	90°			16
07/02/2009	2018	14_GR	143_Left	90°			16
07/02/2009	2019	14_GR	141_Right	90°			16
07/02/2009	2019	14_GR	142_Center	90°			16
07/02/2009	2019	14_GR	143_Left	90°			16
07/02/2009	2020	14_GR	141_Right	90°			16
07/02/2009	2020	14_GR	142_Center	90°			16
07/02/2009	2020	14_GR	143_Left	90°			16