

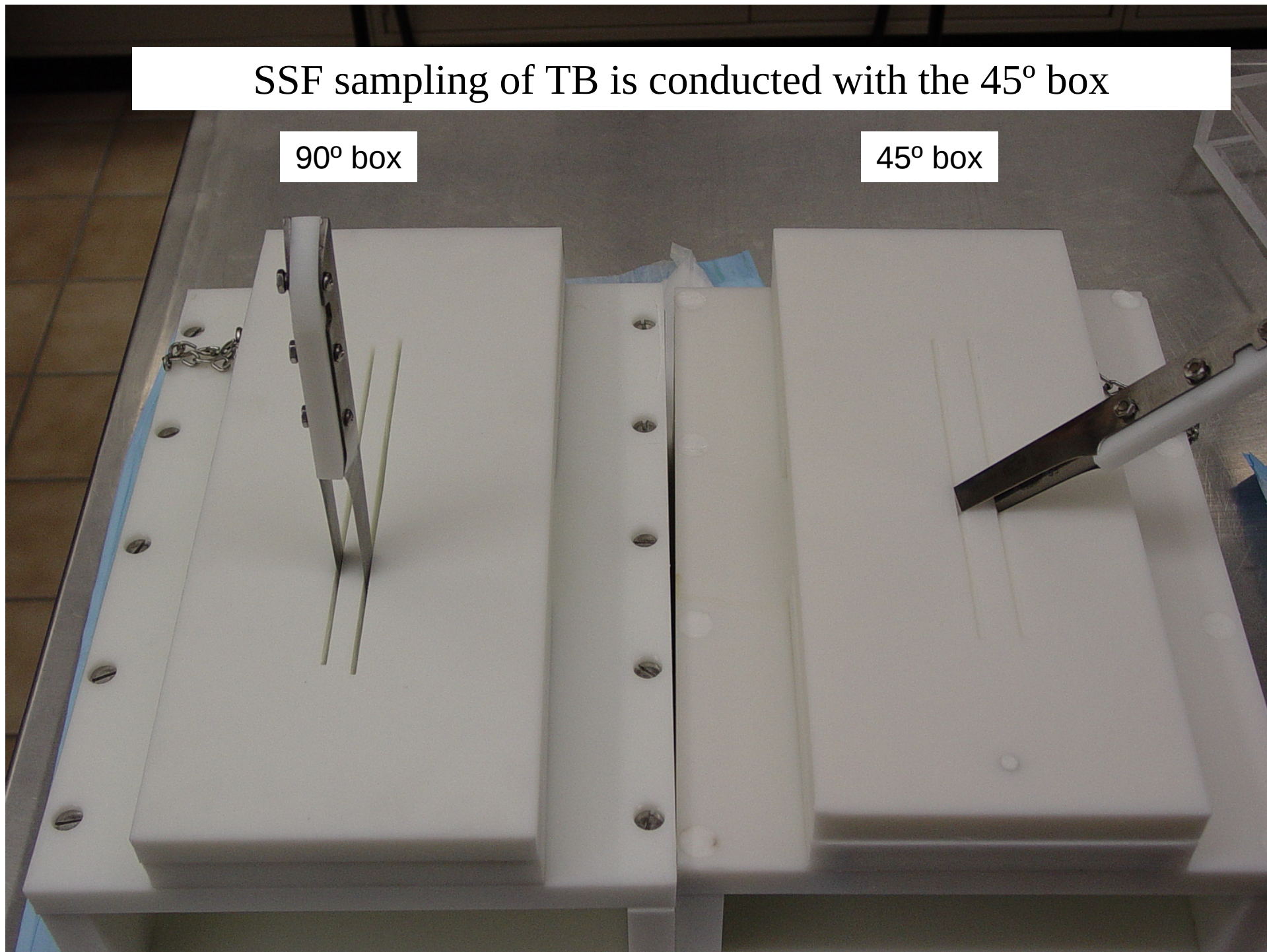
USMARC Slice Shear Force Procedure for Beef Triceps brachii long head (TB)

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

SSF sampling of TB is conducted with the 45° 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.

Triceps brachii TB right



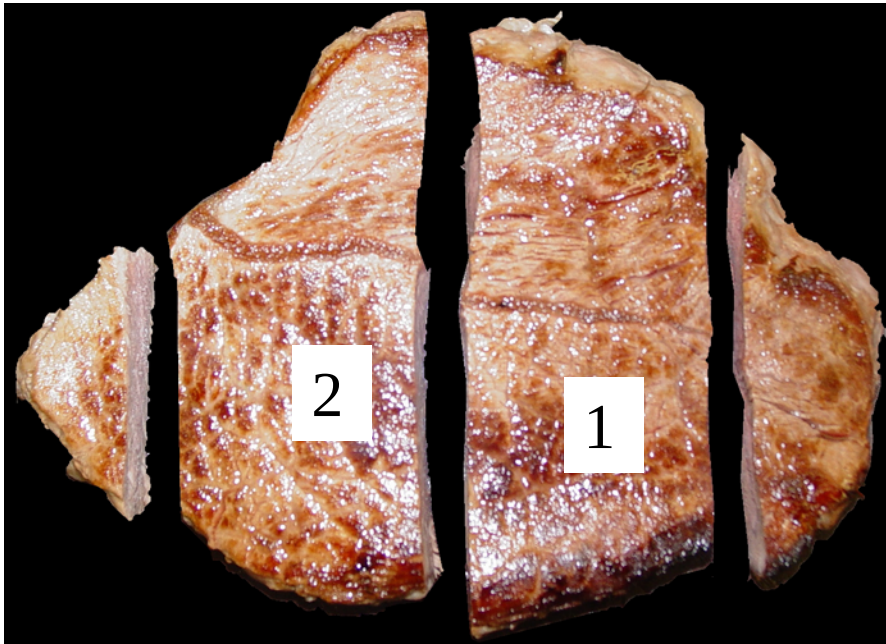
Triceps brachii TB left



Triceps brachii TB right



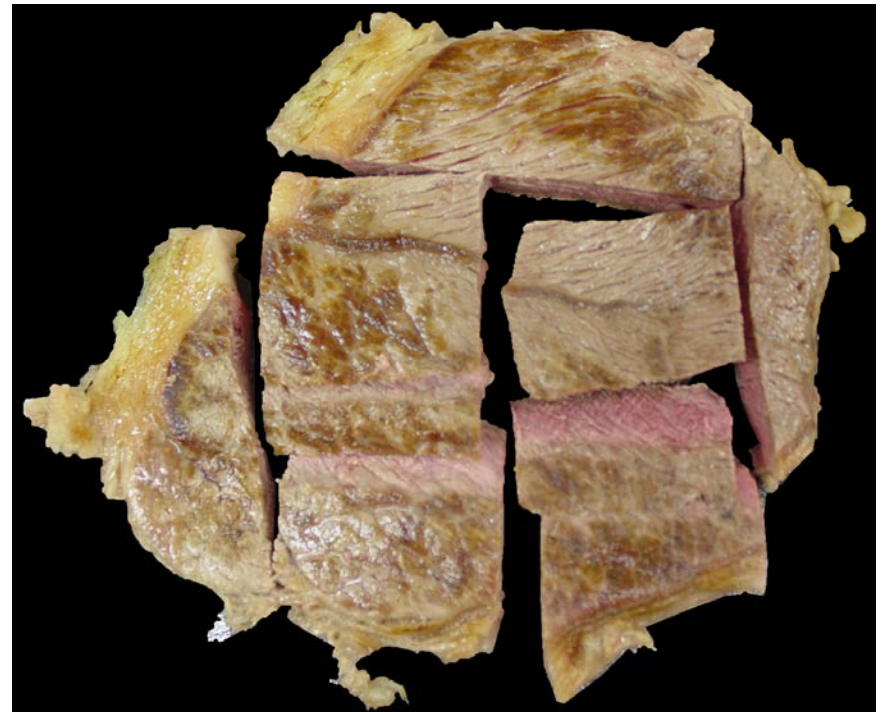
Orient the steak with the blue mark towards the **left** (the connective tissue strip is running side-to-side). Square the right end. Get one or two 5 cm portions. Rotate the 5 cm portion(s) **clockwise** 90 degrees. Use the **45** degree box.



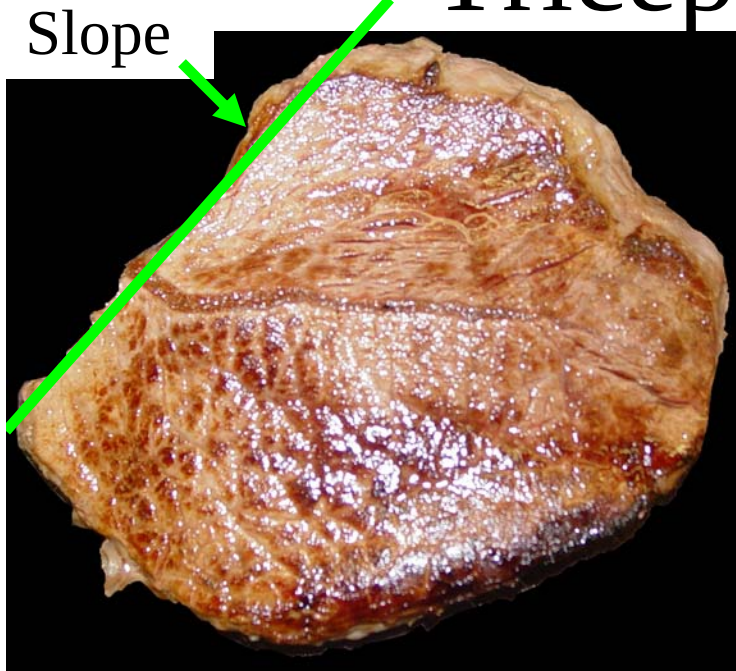
Triceps brachii TB left



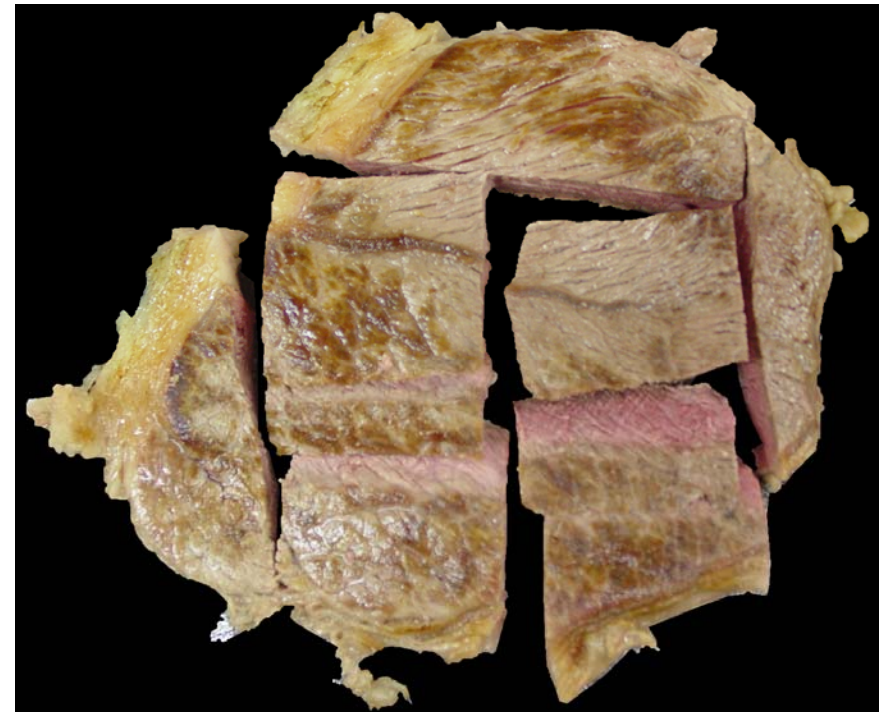
Orient the steak with the blue mark towards the **left** (the connective tissue strip is running side-to-side). Square the right end. Get one or two 5 cm portions. Rotate the 5 cm portion(s) **counter-clockwise** 90 degrees. Use the **45** degree box.



Triceps brachii TB left



Orient the steak with the blue mark towards the **left** (the connective tissue strip is running side-to-side). Square the right end. Get one or two 5 cm portions. Rotate the 5 cm portion(s) **counter-clockwise** 90 degrees. Use the **45** degree box.



Sample data sheet for TB SSF

Fresh_SSF_Data

Date	Yellow tag ID	Muscle	Location	Slice box	SSF	Notes	DPM
07/01/2009	2001	04_TB	041_Right	45°			15
07/01/2009	2001	04_TB	042_Left	45°			15
07/01/2009	2002	04_TB	041_Right	45°			15
07/01/2009	2002	04_TB	042_Left	45°			15
07/01/2009	2003	04_TB	041_Right	45°			15
07/01/2009	2003	04_TB	042_Left	45°			15
07/01/2009	2004	04_TB	041_Right	45°			15
07/01/2009	2004	04_TB	042_Left	45°			15
07/01/2009	2005	04_TB	041_Right	45°			15
07/01/2009	2005	04_TB	042_Left	45°			15
07/01/2009	2006	04_TB	041_Right	45°			15
07/01/2009	2006	04_TB	042_Left	45°			15
07/01/2009	2007	04_TB	041_Right	45°			15
07/01/2009	2007	04_TB	042_Left	45°			15
07/01/2009	2008	04_TB	041_Right	45°			15
07/01/2009	2008	04_TB	042_Left	45°			15
07/01/2009	2009	04_TB	041_Right	45°			15
07/01/2009	2009	04_TB	042_Left	45°			15
07/01/2009	2010	04_TB	041_Right	45°			15
07/01/2009	2010	04_TB	042_Left	45°			15