

To ship DNA samples to the Genotyping Center at Raleigh, NC:

1. DNA should be shipped in 96-well microtiter plates (not strip tubes) that are sealed with a good quality sealing foil (i.e. Qiagen or MJ research or other brand).
2. Plates should be clearly labeled with the plate name (BreedercodeYrPlateNumber) by writing directly on the foil with a sharpie.
3. Include 50-100ul of DNA at concentration of 10-30ng/ul in either 0.1X Te buffer indicated below or sterile ddH₂O. Indicate DNA concentration on the plate.
4. Always include parents or other controls in the *first column* of the plate.
5. Send email with materials list to gina.brown-guedira@ars.usda.gov prior to shipping samples.
6. Samples may be shipped in styrofoam boxes on dry ice, freezer ice packs, or regular ice if samples are contained in ziplock bags.

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Please ship samples on a Monday or Tuesday so they don't arrive on the weekend when the building is closed.

1X TE = final concentrations of 10mM Tris & 1mM EDTA

	<u>for 1L 1X TE</u>	<u>for 0.5L 1X TE</u>
1000ml x 10mM(0.01M)/1M Tris	10ml 1M Tris	5ml 1M Tris
1000ml x 1mM(0.001M)/0.5M EDTA	2ml 0.5M EDTA	1ml 0.5M EDTA
	988ml ddH ₂ O	494ml ddH ₂ O

	<u>for 1L 0.1X TE</u>	<u>for 0.5L 1X TE</u>
1000ml x 1mM(0.001M)/1M Tris	1ml 1M Tris	500µl 1M Tris
1000ml x 0.1mM(0.0001M)/0.5M EDTA	0.2ml 0.5M EDTA	100µl 0.5M EDTA
	998.8ml ddH ₂ O	499.4ml ddH ₂ O