



Short/Long Term Sample Storage Recommendations

This document is only a recommendation provided by Neogen/GeneSeek based on our experience. Conditions presented within this document do not guarantee sample integrity for new testing.

To properly store genomic samples, see below recommendations.

1. For different sample types and the temperature recommendations, refer to the table below.
2. For any samples being stored at ambient temperature, they can be put in a plastic bag (example: Ziploc bags) and stored at room temperature (not exceeding 72°C) and in a dark environment (avoid direct sunlight).
3. Any DNA samples must be sealed appropriately and stored in a cooler.

SAMPLE TYPE	SHORT TERM STORAGE (temperature)	SHORT TERM STORAGE (duration)	LONG TERM STORAGE (temperature)	LONG TERM STORAGE (duration)
Whole blood	4 ±3°C	2-4 weeks	-20 ±5°C	Indefinitely (non-glass tubes)
Semen tubes	4 ±3°C	2-4 weeks	-20 ±5°C	Indefinitely
Bristle Swab	Ambient (Room temperature)	Until testing is complete	NA	NA
Hair samples	Ambient (Room temperature)	Indefinitely	Ambient (Room temperature)	Indefinitely
Blood cards/ Semen cards	Ambient (Room temperature)	Indefinitely	Ambient (Room temperature)	Indefinitely
Allflex TST/TSU (with buffer)	-20 ±5°C (Note: Allflex samples can be stored at room temperature if the sample is not decapped for up to 12 months).	Indefinitely	-20 ±5°C	Indefinitely
Tissue samples	-20 ±5°C	3 months	-20 ±5°C	Indefinitely
DNA tubes/plates	5 ±3°C	2-4 weeks	-20 ±5°C	Indefinitely

Keep in mind space requirements for sample storage will vary based upon the individual organization's choice of a cataloging system and specific requirements surrounding access to the archived samples. If you have additional questions on sample storage or would like to discuss your organization's specific needs let us know, we are happy to provide guidance.