



DNA

Collection and Preservation Kit

The MCC DNA kit is a rapid, non-invasive method for the collection of DNA samples. The kit facilitates the collection, preservation/storage (at room temperature) and shipment of collected samples for analysis. Requires no additional equipment or reagents, the kit can be used by non-medical personnel.

Safe and secure, as the sample is applied to the collection area the sample is stabilized preventing microbial or environmental degradation. Transport of the card is safe and can be sent via the Postal Service in the provided envelope without hazardous labeling.

Easy to use, can be used with any sample. Just apply the sample to the card as directed. The following samples can be stored on the card:

Buccal Cells Blood Bacteria Cultured Cells Viruses Micro-organisms M13 plaques Tissue (solid) more...

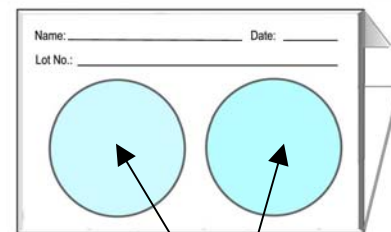
MATERIALS PROVIDED	PRECAUTIONS	WARNINGS
The MCC DNA collection kit contains the following: <ul style="list-style-type: none"> • DNA collection card & Desiccant in sealed foil pouch • One sterile foam tip applicator. • Fingerprint (ink) Strip. • Two small foil storage envelope (pouches). • One large shipping envelope (for lab analysis) • Instruction sheet. 	The MCC DNA collection card should be stored at room temperature 4-30°C (40-86°F). Perform the collection procedure after removing the card from the foil pouch. Do not use it beyond the expiration date.	<ul style="list-style-type: none"> • Wear protective gloves while handling samples. Wash hands thoroughly afterwards. • Do not use after the expiration date. • The collection card should remain in the sealed pouch until use. • All specimens should be considered potentially hazardous and handled in the same manner as an infectious agent.

SPECIMEN COLLECTION AND PROCEDURE

Remove the sample card from the foil pouch, and place it on a flat, dry surface. Label with donor information and date. Label the storage envelope with donor information and date.

Buccal Cell Sample:

Remove the (sterile) foam tipped applicator (swab) from the packaging. Using the plastic handle of the swab, introduce the foam tip of the applicator swab into the mouth and rub gently against the inside of the cheek for a few seconds. Repeat the same procedure using the other side of the swab against the opposite cheek. Collect as much saliva as possible by passing the foam tip applicator under the tongue and along side the gum-line. Press the foam tip sample onto the light blue sample pads. The color will change from light blue to white (if blood is used the color will be of the blood). **Discard the applicator.**



DNA Sample Pads

Whole Blood Sample:

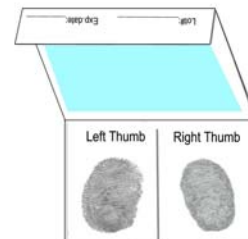
Apply about 100 ul of whole blood in the sample pad area of the card in a circular motion. Do not drop all of blood sample in one area of the card to cause a puddle (this will overload one area). Do not rub or smear blood sample on the sample pad.

Dry the DNA Sample

Allow the sample to dry at room temperature. **Do not use heat or other sources to dry the sample card.** It should take approximately 30 minutes to an hour to dry. After drying proceed to fingerprint procedure.

Fingerprint Impressions

After the DNA sample is dry open card (flap) to reveal the area for the thumbprints. Wipe (left/right thumb) surface to remove any residue with a clean paper towel. Remove protective cover on ink strip and place on a flat surface. Thumbs should be clean and dry. Alternately roll (do not press) each thumb on the ink. Create thumbprint by placing thumb in a rolling motion (do not press) on the indicated area. A good print will show lines and swirls. Watch for smearing or over-inking. Take a couple of practice prints on plain paper before placing thumbs on card.



Dry the Fingerprint Sample

Allow the fingerprint to set for at least 10 minutes, close the card and place the DNA Card (small) foil pouch. Seal the envelope (peel the tape on the envelope flap to expose the adhesive edge). **For legal and court archive purposes, place collected DNA sample in the pouches and secure in a department evidence bag.**

Hair and Fingernail Samples: as an option you can additionally store hair and fingernail clippings as backup sample in the bag provided.

Long Term Storage:

Store the envelopes (that has been properly marked for identification purposes) in a cool, dry place. Once the samples are collected and packaged into the small foil pouch it can be stored long-term for downstream processing when required.

Shipment for Analysis:

The sealed (storage) envelopes should be placed in the (larger) foil pouch envelope (provided in the kit) and sealed. The DNA sample is now ready to be addressed and mailed to the designated laboratory.

MCC

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