

Whatman Cat. No.: WB120462

DESCRIPTION:

EasiCollect is designed for the all-in-one collection of buccal cells for DNA isolation. Cells are captured on the foam applicator by swabbing the oral mucosa and subsequently transferred to Indicating FTA Cards. FTA Cards are impregnated with a proprietary chemical formula that lyses cells and denatures proteins upon contact. Nucleic acids are protected from the damage that arises due to microbial growth and environmental damage. Indicating FTA Cards contain a pink indicating dye that turns white when a colorless biological sample is applied to the card thus marking the location of the sample. To use Indicating FTA Cards, simply apply biological sample to the FTA matrix, air dry at room temperature, then remove a small disc (2mm disk). The disk is then washed and the DNA remains bound to the disk for solid phase PCR amplifications.

PRECAUTIONS:

HANDLING: Always wear gloves to avoid contamination of Indicating FTA Cards. Follow universal precautions

STORAGE: Store product at room temperature. Do not open the packages before use. After applying samples, allow the Indicating FTA Cards to dry, then store in a multi-barrier pouch at room temperature in a dry environment. Dried sample cards can be stored for long period of times in a multi-barrier pouch with a desiccant packet.

INSTRUCTIONS:

Collection of Buccal Samples:

1. Open the FTA Card end of the protective sleeve and partially slide out the EasiCollect device leaving the foam tip in the protective sleeve.
2. Turn the device over and record identification information on the back of the FTA Card.
3. Turn the device to the front and remove completely from the protective sleeve.
4. Holding the plastic stem above the hinge joint, angle the stem slightly (Collection Position) and place the foam tip of the device in the mouth running the foam tip along the gum-line, at the fold line of the cheek and under the tongue, soaking up as much saliva as possible. Swab by rubbing the foam tip on the inside of the cheek for 15 seconds (Sample Collection). Repeat using the opposite cheek. Remove the foam tip from the mouth.
5. Carefully remove the plastic protective film from the FTA Card holder to expose the FTA Card.
6. *Contact Position:* Fold the device at the hinge joint and press the foam applicator onto the FTA Card making sure that the applicator head is held in place by the foam head snap at the front of the FTA Card holder and that the stem is in the lowest position on the stem snap located on the handle. Leave the foam applicator in contact with the FTA Card for 10 seconds.
7. Release the foam applicator from under the foam head snap at the front of the device by bending back on the handle of the device (see Release Applicator Head).
8. *Resting Position:* Pull the stem up the top position on the stem snap.
9. When the FTA Card is dry, the sample can be processed immediately or packaged for transport or storage.

STORAGE OF SAMPLES ON INDICATING FTA CARDS:

Biological samples applied to Indicating FTA Cards using EasiCollect should be archived at room temperature in a Multi-Barrier Pouch (Whatman Cat. Nos: WB100036) with a desiccant packet (WB100003).

FTA PROCESSING:

1. Remove a 2.0mm punch from the dried Indicating FTA Card using a Harris Micro Punch (Whatman Cat No.: WB100007) or Harris Uni-Core Punch (Whatman WB100029)
2. Wash the punched disk with 200µL FTA Purification Reagent (Whatman Cat No: BW120204) three times for 5 minutes each. Discard the washes.
3. Wash the punched disk twice with 200µL TE⁻¹ buffer (10mM Tris-HCl, 0.1mM EDTA, pH 8.0). Discard the washes.
4. Add PCR reagents to the disk and proceed with the amplification process according to lab protocols.

CONTACT INFORMATION:

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Collection Position



Sample Collection



Contact position



Release Applicator Head



Resting Position