

Johns Hopkins Bayview Medical Center

GENERAL CLINICAL RESEARCH CENTER

Policy no: 151

Sweat Sample Collection using Regular Sweat Patch (no heat)

Original Date: 09/13/2002

Previous Date: None

Reviewed Date: None

Purpose: To outline the procedure for collecting sweat samples.

Procedure:

Application:

1. Sweat patches are applied weekly to the upper part of the arm, stomach or flank as designated by the research protocol. The patch should be labeled with the date and time applied, the anticipated date and time of removal, the subject identifier (number or initials)
2. Prior to applying the patch, clean the skin with isopropyl alcohol swab and allow to dry for 30-40 seconds. **(DO NOT USE SOAP)**. Gloves and forceps should be used to apply and remove the patch to avoid contamination.
3. Grasp the sweat patch, and remove the adhesive backing. Stretch the patch slightly and have the subject stretch the body region where the patch will be applied so that the collection area of the skin is tight and flat.
4. Remove the outer strip from the patch while applying pressure with your finger to the area of adhesive, which is being exposed just as you remove the outer strip from the patch. This will help to seal the ends of the adhesive to the skin so that the patch will stick better to the subject.
5. In the progress note, document the sweat patch application time, and planned removal time
6. On a 3 by 5 index or the patch form provided by the Research team, document the study name, the subject identifier (subject initial or study number), the date applied and the date removed. In addition, record the condition of the patch at time of removal. The patch will be placed on this at the time of removal. (See below)

Study Name:

Date applied:

Date removed:

Condition of Patch:

7. Note: Patches may need to be secured if they become loose. If this occurs, then apply a piece of Op site to that area just over the patch or apply a sweat patch guard strip around the edges of the patch by slowly removing the adhesive and applying pressure with your finger to the site which is being exposed. This will help to ensure a tight seal between the patch and guard and the skin.

Removal

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1. At the time of removal of the sweat patch, examine the patch to determine its condition. Record the condition of the patch on the index card according to the following categories:
 - a. Intact patch
 - b. Missing patch
 - c. Curling edges
 - d. Exposed patch edges
2. To remove the patch, pull the adhesive edge along the side of the patch. Once the adhesive along the side of the patch is away from the skin, pull upward from both top corners. Pull the sides equally. Do **not** contaminate the white patch by touching it.
3. Once the patch is completely removed from the skin, place the patch face down on the index card, so the adhesive from the patch will adhere it to the card. If it does not adhere, tape the sides down. Place the card with the patch on it into a plastic bag and place in the refrigerator.

Study	CAP #	Applied:	Date
		Removed:	Date
<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">(Adhesive Area)</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 60%;"> <p style="text-align: center;">(Patch Area)</p> </div> </div>			
Condition of Patch			

Reference: NIDA , Intramural Research Program procedure

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