

AllergyScreen™/AlleisaScreen™
CIRCULAR LETTER 10

Performing the AllergyScreen™

FAQ: Avoid contact with fluffy cellulose filter paper during elimination of washing buffer between the incubation steps!!

There are repeated questions from some customers about black/violet spots on the test strips after processing the test membranes which can bring wrong results.

These black/violet spots result from contact of the test membranes with fluffy filter paper:

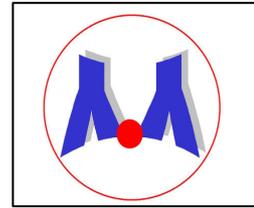
The test strips are often beaten on a filter paper to reduce the amount of washing buffer. During this procedure cellulose dust particles can be dispersed and are fixed on the membrane before the incubation with BCIP/NBT colour.

The BCIP/NBT molecules are condensed in this cellulose paper fluff and create strong black/violet spots on the test strips.

Case 1. 2. 3. 4.



[See case history of the test strips on the next page.](#)



1. case history

1. Washing buffer was used at a dilution of 1:50 (not 1:25)
2. Washing was performed **only once** (not 5-7 times after each incubation)
3. Test strips were beaten on **a fluffy filter paper** for drying

RESULT:

The too low diluted washing buffer is not able to clean the test strips. Remaining solutions react with each other and give a strong blue/violet signal. The fluff from the filter paper increases this.

2. case history

1. Washing buffer was used at a dilution of 1:25
2. Washing was performed 5-7 times after each incubation, but very short – **no manual shaking of the wash buffer in the test trough.**
3. Test strips were beaten on **a fluffy filter paper** for drying

RESULT:

The test strips are washed too short und not intensively enough (no manual shaking). Remaining solutions react with each other and give a light blue/violet signal. The fluff from the filter paper increases this. Black spots are seen on the test strips.

3. case history

1. Washing buffer was used at a dilution of 1:25 .
2. Washing was performed 5-7 times after each incubation with a good manual shaking.
3. Test strips were beaten on **a fluffy filter paper** for drying

RESULT:

The test strips are washed perfectly. The background of the test strips is very low and clearly white. But the cellulose fluff from the filter paper gives blue/violet spots.

4. case history

1. Washing buffer was used at a dilution of 1:25 .
2. Washing was performed 5-7 times after each incubation with a good manual shaking.
3. **Test strips were not!!! beaten on a fluffy filter paper for drying. The remaining washing buffer on the test strips was shaken out in the air.**

RESULT:

The test strips were washed perfectly. The background of the test stripes is very low and clearly white. Because of no contact with the fluffy filter paper no spots have been developed.

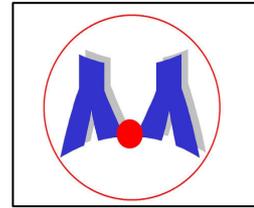
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Summary:

Black/violet spots can be developed after use of fluffy filter papers for drying of the buffer between the incubations steps – if the test strips are beaten on such filtration paper.

Manual shaking out can help to avoid such mistake.