

miPROTECT® Ricin

Rapid test for the detection of ricin

Product: #211
Lot: #211-AHAA-11-20
Storage: +4°C to +30°C
Exp. Date: 2024-06

Intended use

miPROTECT® is an easy-to-use rapid test for testing of environmental samples. The test is suitable for a visual read-out. In addition, tests can be measured with a portable reader provided by miprolab. This reader allows a semi-quantification of the test signals. The test is intended for screening of environmental samples and NOT for any medical use.

Test principles

After applying the diluted sample onto the sample port (S) of the test cartridge, the solution migrates via capillary forces through the test cassette. After less than a few minutes, a red line appears in the control zone (C) in the result window. This line confirms that the test is working correctly. Another red line appearing in the test zone (T) shows a positive signal and the presence of the biological threat agent in the sample. A negative test consists of a red line appearing solely in the control zone (C).

Storage and stability

Test cartridge should be stored cooled or at room temperature (+4°C to +30°C). During storage, frequent changes in temperature should be avoided. Test cartridge must not be frozen. It must remain in foil pouch until use. Sampling device as well as test cartridge must not be used after the expiration date printed on the foil pouch (test cartridge).

Sample preparation

Samples have to be diluted with sample buffer provided with the kit. It is recommended to use a dilution factor of 2.

Test procedure and interpretation of results

1. In case of not using sampling devices, an aliquot of 100 µl of the diluted sample has to be applied onto the sample port of the test cartridge. Do not add more than 100 µl onto the sample port of the test cartridge.



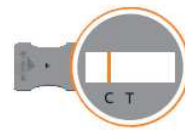
2. Read results in the result window after exactly 20 minutes. Read-out can be done visually by naked eye. For a semi-quantification of the test signals, tests can be



measured with the miPROTECT® Reader (optical reader for the colorimetric measurement) or with the P.I.A.² Reader (rugged, hand-held reader with innovative camera system). Do not

interpret results after 25 minutes.

Negative



The appearance of one color line (control line) in the result window indicates a negative result.

Positive



The test is positive if two colored lines appear. One line appears in the control zone (C) and another line appears in the test zone (T).

Invalid



The test is invalid if no colored line appears.



The test is invalid if a test line appears in the test zone (T), only.

Normalized results (Ratio) should be calculated using following formula:

$$\text{Ratio} = \frac{\text{Peak Area Test [mV]}}{\text{Peak Area Control [mV]}}$$

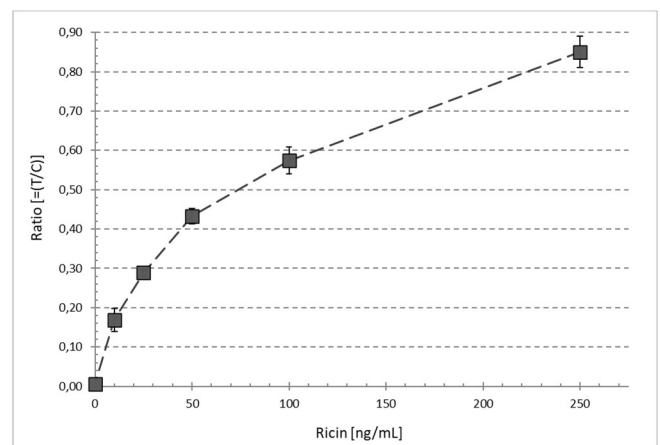


Fig. 1: Results obtained from the determination of the intra- and inter-assay precision (3 replicates on 3 days).

miPROTECT® SEB

Rapid test for the detection of staphylococcal enterotoxin B

Product: #212
Lot: #212-AHAA-10-08
Storage: +4°C to +30°C
Exp. Date: 2024-05

Intended use

miPROTECT® is an easy-to-use rapid test for testing of environmental samples. The test is suitable for a visual read-out. In addition, tests can be measured with a portable reader provided by miprolab. This reader allows a semi-quantification of the test signals. The test is intended for screening of environmental samples and NOT for any medical use.

Test principles

After applying the diluted sample onto the sample port (S) of the test cartridge, the solution migrates via capillary forces through the test cassette. After less than a few minutes, a red line appears in the control zone (C) in the result window. This line confirms that the test is working correctly. Another red line appearing in the test zone (T) shows a positive signal and the presence of the biological threat agent in the sample. A negative test consists of a red line appearing solely in the control zone (C).

Storage and stability

Test cartridge should be stored cooled or at room temperature (+4°C to +30°C). During storage, frequent changes in temperature should be avoided. Test cartridge must not be frozen. It must remain in foil pouch until use. Sampling device as well as test cartridge must not be used after the expiration date printed on the foil pouch (test cartridge).

Sample preparation

Samples have to be diluted with sample buffer provided with the kit. It is recommended to use a dilution factor of 2.

Test procedure and interpretation of results

1. In case of not using sampling devices, an aliquot of 100 µl of the diluted sample has to be applied onto the sample port of the test cartridge. Do not add more than 100 µl onto the sample port of the test cartridge.



2. Read results in the result window after exactly 20 minutes. Read-out can be done visually by naked eye. For a semi-quantification of the test signals, tests can be measured with the miPROTECT® Reader (optical reader for the colorimetric measurement) or with the P.I.A.² Reader (rugged, hand-held reader with innovative camera system). Do not interpret results after 25 minutes.

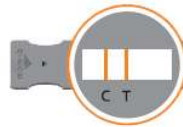


Negative



The appearance of one color line (control line) in the result window indicates a negative result.

Positive

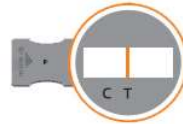


The test is positive if two colored lines appear. One line appears in the control zone (C) and another line appears in the test zone (T).

Invalid



The test is invalid if no colored line appears.



The test is invalid if a test line appears in the test zone (T), only.

Normalized results (Ratio) should be calculated using following formula:

$$\text{Ratio} = \frac{\text{Peak Area Test [mV]}}{\text{Peak Area Control [mV]}}$$

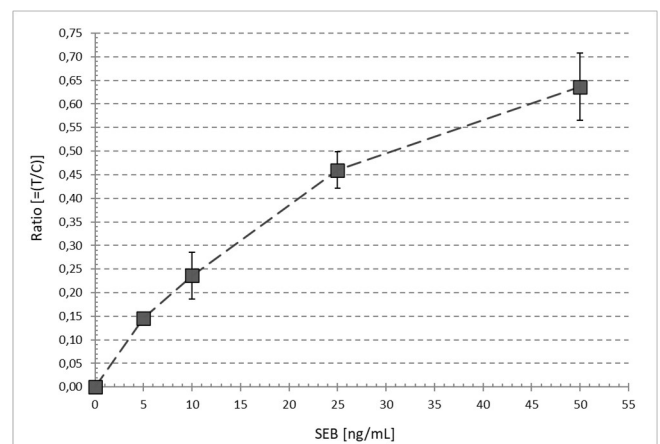


Fig. 1: Results obtained from the determination of the intra- and inter-assay precision (3 replicates on 3 days).

miPROTECT® Botulinum A

Rapid test for the detection of botulinum neurotoxin type A

Product: #213
Lot: #213-AHAA-10-19
Storage: +4°C to +30°C
Exp. Date: 2024-05

Intended use

miPROTECT® is an easy-to-use rapid test for testing of environmental samples. The test is suitable for a visual read-out. In addition, tests can be measured with a portable reader provided by miprolab. This reader allows a semi-quantification of the test signals. The test is intended for screening of environmental samples and NOT for any medical use.

Test principles

After applying the diluted sample onto the sample port (S) of the test cartridge, the solution migrates via capillary forces through the test cassette. After less than a few minutes, a red line appears in the control zone (C) in the result window. This line confirms that the test is working correctly. Another red line appearing in the test zone (T) shows a positive signal and the presence of the biological threat agent in the sample. A negative test consists of a red line appearing solely in the control zone (C).

Storage and stability

Test cartridge should be stored cooled or at room temperature (+4°C to +30°C). During storage, frequent changes in temperature should be avoided. Test cartridge must not be frozen. It must remain in foil pouch until use. Sampling device as well as test cartridge must not be used after the expiration date printed on the foil pouch (test cartridge).

Sample preparation

Samples have to be diluted with sample buffer provided with the kit. It is recommended to use a dilution factor of 2.

Test procedure and interpretation of results

1. In case of not using sampling devices, an aliquot of 100 µl of the diluted sample has to be applied onto the sample port of the test cartridge. Do not add more than 100 µl onto the sample port of the test cartridge.

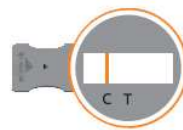


2. Read results in the result window after exactly 20 minutes. Read-out can be done visually by naked eye. For a semi-quantification of the test signals, tests



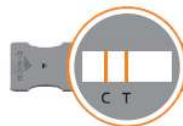
can be measured with the miPROTECT® Reader (optical reader for the colorimetric measurement) or with the P.I.A.² Reader (rugged, hand-held reader with innovative camera system). Do not interpret results after 25 minutes.

Negative



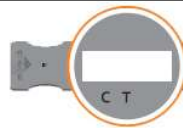
The appearance of one color line (control line) in the result window indicates a negative result.

Positive

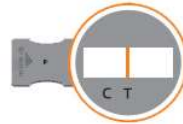


The test is positive if two colored lines appear. One line appears in the control zone (C) and another line appears in the test zone (T).

Invalid



The test is invalid if no colored line appears.



The test is invalid if a test line appears in the test zone (T), only.

Normalized results (Ratio) should be calculated using following formula:

$$\text{Ratio} = \frac{\text{Peak Area Test [mV]}}{\text{Peak Area Control [mV]}}$$

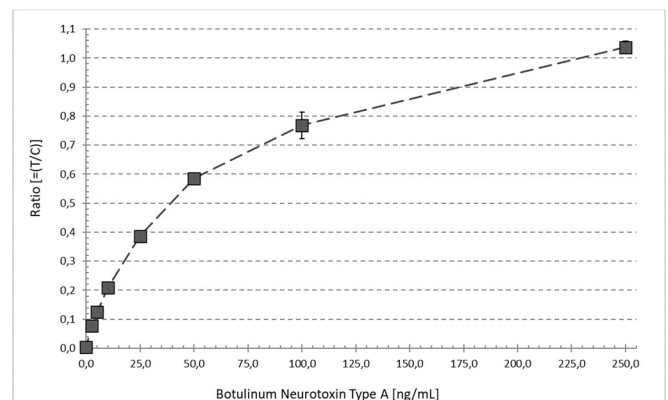


Fig. 1: Results obtained from the determination of the intra- and inter-assay precision (3 replicates on 3 days).

miPROTECT® Botulinum B

Rapid test for the detection of botulinum neurotoxin type B

Product: #216
Lot: #216-AHAA-10-21
Storage: +4°C to +30°C
Exp. Date: 2024-05

Intended use

miPROTECT® is an easy-to-use rapid test for testing of environmental samples. The test is suitable for a visual read-out. In addition, tests can be measured with a portable reader provided by miprolab. This reader allows a semi-quantification of the test signals. The test is intended for screening of environmental samples and NOT for any medical use.

Test principles

After applying the diluted sample onto the sample port (S) of the test cartridge, the solution migrates via capillary forces through the test cassette. After less than a few minutes, a red line appears in the control zone (C) in the result window. This line confirms that the test is working correctly. Another red line appearing in the test zone (T) shows a positive signal and the presence of the biological threat agent in the sample. A negative test consists of a red line appearing solely in the control zone (C).

Storage and stability

Test cartridge should be stored cooled or at room temperature (+4°C to +30°C). During storage, frequent changes in temperature should be avoided. Test cartridge must not be frozen. It must remain in foil pouch until use. Sampling device as well as test cartridge must not be used after the expiration date printed on the foil pouch (test cartridge).

Sample preparation

Samples have to be diluted with sample buffer provided with the kit. It is recommended to use a dilution factor of 2.

Test procedure and interpretation of results

1. In case of not using sampling devices, an aliquot of 100 µl of the diluted sample has to be applied onto the sample port of the test cartridge. Do not add more than 100 µl onto the sample port of the test cartridge.

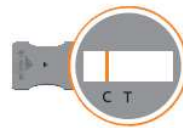


2. Read results in the result window after exactly 20 minutes. Read-out can be done visually by naked eye. For a semi-quantification of the test signals, tests



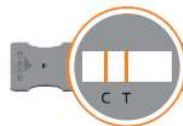
can be measured with the miPROTECT® Reader (optical reader for the colorimetric measurement) or with the P.I.A.² Reader (rugged, hand-held reader with innovative camera system). Do not interpret results after 25 minutes.

Negative



The appearance of one color line (control line) in the result window indicates a negative result.

Positive

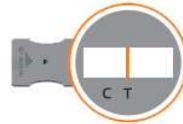


The test is positive if two colored lines appear. One line appears in the control zone (C) and another line appears in the test zone (T).

Invalid



The test is invalid if no colored line appears.



The test is invalid if a test line appears in the test zone (T), only.

Normalized results (Ratio) should be calculated using following formula:

$$\text{Ratio} = \frac{\text{Peak Area Test [mV]}}{\text{Peak Area Control [mV]}}$$

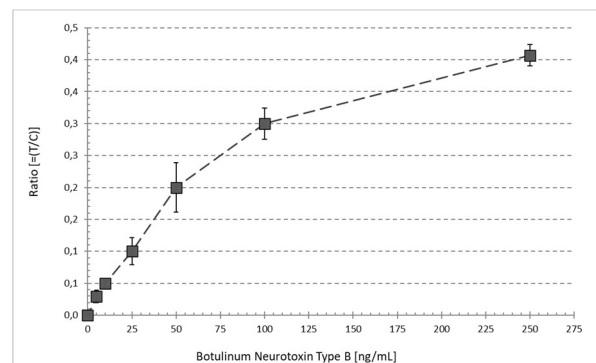


Fig. 1: Results obtained from the determination of the intra- and inter-assay precision (3 replicates on 3 days).

miPROTECT® Duplex-BoNT-A-B

Rapid test for the detection of botulinum neurotoxin type A and type B

Product: #217
Lot: #217-AHAA-10-24
Storage: +4°C to +30°C
Exp. Date: 2023-10

Intended use

miPROTECT® is an easy-to-use rapid test for testing of environmental samples. The test is suitable for a visual read-out. In addition, tests can be measured with a portable reader provided by miprolab. This reader allows a semi-quantification of the test signals. The test is intended for screening of environmental samples and NOT for any medical use.

Test principles

After applying the diluted sample onto the sample port (S) of the test cartridge, the solution migrates via capillary forces through the test cassette. After less than a few minutes, a red line appears in the control zone (C) in the result window. This line confirms that the test is working correctly. Another red line appearing in the test zone (T) shows a positive signal and the presence of the biological threat agent in the sample. A negative test consists of a red line appearing solely in the control zone (C).

Storage and stability

Test cartridge should be stored cooled or at room temperature (+4°C to +30°C). During storage, frequent changes in temperature should be avoided. Test cartridge must not be frozen. It must remain in foil pouch until use. Sampling device as well as test cartridge must not be used after the expiration date printed on the foil pouch (test cartridge).

Sample preparation

Samples have to be diluted with sample buffer provided with the kit. It is recommended to use a dilution factor of 2.

Test procedure and interpretation of results

1. In case of not using sampling devices, an aliquot of 100 µl of the diluted sample has to be applied onto the sample port of the test cartridge. Do not add more than 100 µl onto the sample port of the test cartridge.

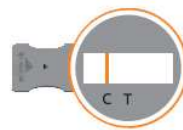


2. Read results in the result window after exactly 20 minutes. Read-out can be done visually by naked eye. For a semi-quantification of the test signals, tests



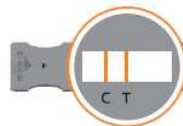
can be measured with the miPROTECT® Reader (optical reader for the colorimetric measurement) or with the P.I.A.² Reader (rugged, hand-held reader with innovative camera system). Do not interpret results after 25 minutes.

Negative



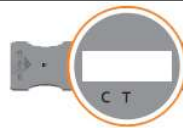
The appearance of one color line (control line) in the result window indicates a negative result.

Positive

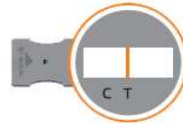


The test is positive if two colored lines appear. One line appears in the control zone (C) and another line appears in the test zone (T).

Invalid



The test is invalid if no colored line appears.



The test is invalid if a test line appears in the test zone (T), only.

Normalized results (Ratio) should be calculated using following formula:

$$\text{Ratio} = \frac{\text{Peak Area Test [mV]}}{\text{Peak Area Control [mV]}}$$

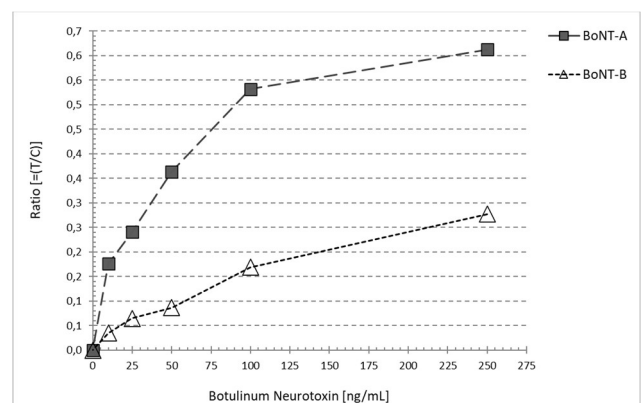


Fig. 1: Results obtained from the determination of the intra- and inter-assay precision (3 replicates on 3 days).

miPROTECT® Plague

Rapid test for the detection of *Yersinia pestis*

Product: #221
Lot: #221-AHAA-10-29
Storage: +4° to +30°C
Exp. Date: 2024-05

Intended use

miPROTECT® is an easy-to-use rapid test for testing of environmental samples. The test is suitable for a visual read-out. In addition, tests can be measured with a portable reader provided by miprolab. This reader allows a semi-quantification of the test signals. The test is intended for screening of environmental samples and NOT for any medical use.

Test principles

After applying the diluted sample onto the sample port (S) of the test cartridge, the solution migrates via capillary forces through the test cassette. After less than a few minutes, a red line appears in the control zone (C) in the result window. This line confirms that the test is working correctly. Another red line appearing in the test zone (T) shows a positive signal and the presence of the biological threat agent in the sample. A negative test consists of a red line appearing solely in the control zone (C).

Storage and stability

Test cartridge should be stored cooled or at room temperature (+4°C to +30°C). During storage, frequent changes in temperature should be avoided. Test cartridge must not be frozen. It must remain in foil pouch until use. Sampling device as well as test cartridge must not be used after the expiration date printed on the foil pouch (test cartridge).

Sample preparation

Samples have to be diluted with sample buffer provided with the kit. It is recommended to use a dilution factor of 2.

Test procedure and interpretation of results

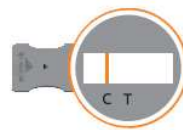
1. In case of not using sampling devices, an aliquot of 100 µl of the diluted sample has to be applied onto the sample port of the test cartridge. Do not add more than 100 µl onto the sample port of the test cartridge.



2. Read results in the result window after exactly 20 minutes. Read-out can be done visually by naked eye. For a semi-quantification of the test signals, tests can be measured with the miPROTECT® Reader (optical reader for the colorimetric measurement) or with the P.I.A.² Reader (rugged, hand-held reader with innovative camera system). Do not interpret results after 25 minutes.

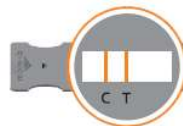


Negative



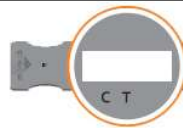
The appearance of one color line (control line) in the result window indicates a negative result.

Positive

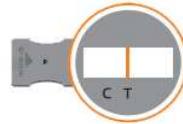


The test is positive if two colored lines appear. One line appears in the control zone (C) and another line appears in the test zone (T).

Invalid



The test is invalid if no colored line appears.



The test is invalid if a test line appears in the test zone (T), only.

Normalized results (Ratio) should be calculated using following formula:

$$\text{Ratio} = \frac{\text{Peak Area Test [mV]}}{\text{Peak Area Control [mV]}}$$

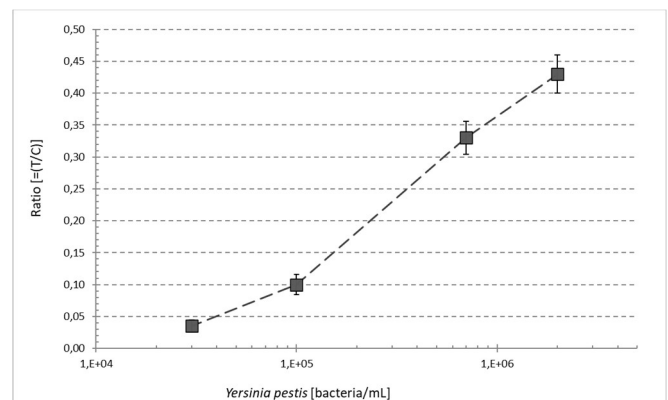


Fig. 1: Results obtained from the determination of the intra- and inter-assay precision (3 replicates on 3 days).

miPROTECT[®] Tularemia

Rapid test for the detection of *Francisella tularensis*

Product: #222
 Lot: #222-AHAA-10-13
 Storage: +4°C to +30°C
 Exp. Date: 2024-05

Intended use

miPROTECT[®] is an easy-to-use rapid test for testing of environmental samples. The test is suitable for a visual read-out. In addition, tests can be measured with a portable reader provided by miprolab. This reader allows a semi-quantification of the test signals. The test is intended for screening of environmental samples and NOT for any medical use.

Test principles

After applying the diluted sample onto the sample port (S) of the test cartridge, the solution migrates via capillary forces through the test cassette. After less than a few minutes, a red line appears in the control zone (C) in the result window. This line confirms that the test is working correctly. Another red line appearing in the test zone (T) shows a positive signal and the presence of the biological threat agent in the sample. A negative test consists of a red line appearing solely in the control zone (C).

Storage and stability

Test cartridge should be stored cooled or at room temperature (+4°C to +30°C). During storage, frequent changes in temperature should be avoided. Test cartridge must not be frozen. It must remain in foil pouch until use. Sampling device as well as test cartridge must not be used after the expiration date printed on the foil pouch (test cartridge).

Sample preparation

Samples have to be diluted with sample buffer provided with the kit. It is recommended to use a dilution factor of 2.

Test procedure and interpretation of results

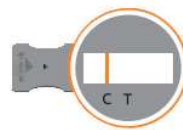
1. In case of not using sampling devices, an aliquot of 100 µl of the diluted sample has to be applied onto the sample port of the test cartridge. Do not add more than 100 µl onto the sample port of the test cartridge.



2. Read results in the result window after exactly 20 minutes. Read-out can be done visually by naked eye. For a semi-quantification of the test signals, tests can be measured with the miPROTECT[®] Reader (optical reader for the colorimetric measurement) or with the P.I.A.² Reader (rugged, hand-held reader with innovative camera system). Do not interpret results after 25 minutes.

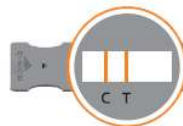


Negative



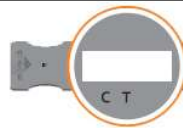
The appearance of one color line (control line) in the result window indicates a negative result.

Positive

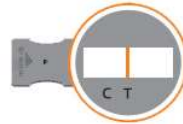


The test is positive if two colored lines appear. One line appears in the control zone (C) and another line appears in the test zone (T).

Invalid



The test is invalid if no colored line appears.



The test is invalid if a test line appears in the test zone (T), only.

Normalized results (Ratio) should be calculated using following formula:

$$\text{Ratio} = \frac{\text{Peak Area Test [mV]}}{\text{Peak Area Control [mV]}}$$

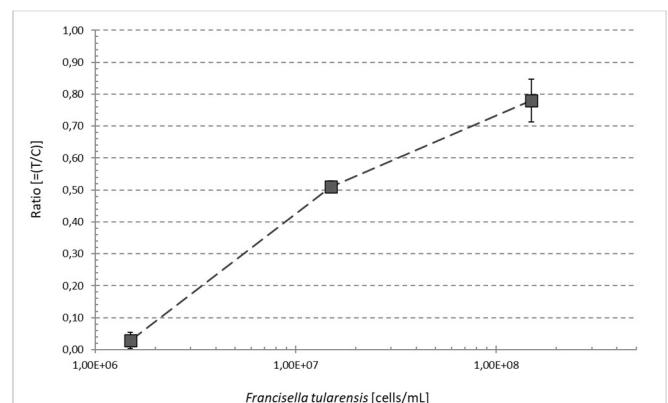


Fig. 1: Results obtained from the determination of the intra- and inter-assay precision (3 replicates on 3 days).

miPROTECT® Anthrax

Rapid test for the detection of *Bacillus anthracis*

Product: #223
 Lot: #223-AHAA-11-16
 Storage: +4°C to +30°C
 Exp. Date: 2024-06

Intended use

miPROTECT® is an easy-to-use rapid test for testing of environmental samples. The test is suitable for a visual read-out. In addition, tests can be measured with a portable reader provided by miprolab. This reader allows a semi-quantification of the test signals. The test is intended for screening of environmental samples and NOT for any medical use.

Test principles

After applying the diluted sample onto the sample port (S) of the test cartridge, the solution migrates via capillary forces through the test cassette. After less than a few minutes, a red line appears in the control zone (C) in the result window. This line confirms that the test is working correctly. Another red line appearing in the test zone (T) shows a positive signal and the presence of the biological threat agent in the sample. A negative test consists of a red line appearing solely in the control zone (C).

Storage and stability

Test cartridge should be stored cooled or at room temperature (+4°C to +30°C). During storage, frequent changes in temperature should be avoided. Test cartridge must not be frozen. It must remain in foil pouch until use. Sampling device as well as test cartridge must not be used after the expiration date printed on the foil pouch (test cartridge).

Sample preparation

Samples have to be diluted with sample buffer provided with the kit. It is recommended to use a dilution factor of 2.

Test procedure and interpretation of results

1. In case of not using sampling devices, an aliquot of 100 µl of the diluted sample has to be applied onto the sample port of the test cartridge. Do not add more than 100 µl onto the sample port of the test cartridge.



2. Read results in the result window after exactly 20 minutes. Read-out can be done visually by naked eye. For a semi-quantification of the test signals, tests can be measured with the miPROTECT® Reader (optical reader for the colorimetric measurement) or with the P.I.A.² Reader (rugged, hand-held reader with innovative camera system). Do not interpret results after 25 minutes.

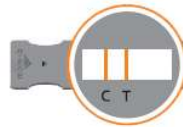


Negative



The appearance of one color line (control line) in the result window indicates a negative result.

Positive

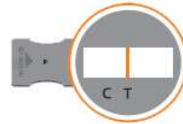


The test is positive if two colored lines appear. One line appears in the control zone (C) and another line appears in the test zone (T).

Invalid



The test is invalid if no colored line appears.



The test is invalid if a test line appears in the test zone (T), only.

Normalized results (Ratio) should be calculated using following formula:

$$\text{Ratio} = \frac{\text{Peak Area Test [mV]}}{\text{Peak Area Control [mV]}}$$

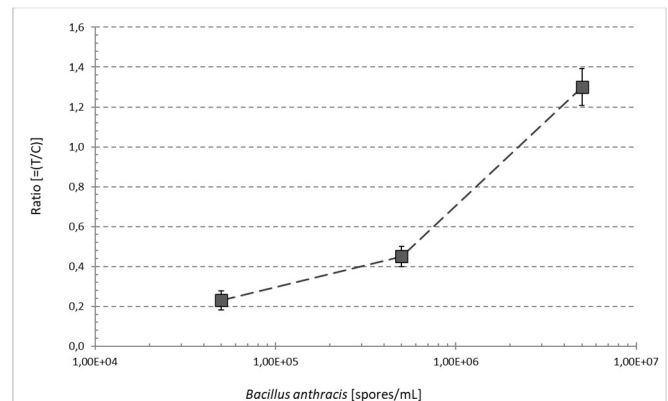


Fig. 1: Results obtained from the determination of the intra- and inter-assay precision (3 replicates on 3 days).

miPROTECT® Pox

Rapid test for the detection of *pox viruses*

Product: #231
Lot: #231-AHAA-09-06
Storage: +4°C to +30°C
Exp. Date: 2024-03

Intended use

miPROTECT® is an easy-to-use rapid test for testing of environmental samples. The test is suitable for a visual read-out. In addition, tests can be measured with a portable reader provided by miprolab. This reader allows a semi-quantification of the test signals. The test is intended for screening of environmental samples and NOT for any medical use.

Test principles

After applying the diluted sample onto the sample port (S) of the test cartridge, the solution migrates through the test cassette. After less than a few minutes, a red line appears in the control zone (C) in the result window. This line confirms that the test is working correctly. Another red line appearing in the test zone (T) shows a positive signal and the presence of the biological threat agent in the sample. A negative test consists of a red line appearing solely in the control zone (C).

Storage and stability

Test cartridge should be stored cooled or at room temperature (+4°C to +30°C). During storage, frequent changes in temperature should be avoided. Test cartridge must not be frozen. It must remain in foil pouch until use. Sampling device as well as test cartridge must not be used after the expiration date printed on the foil pouch (test cartridge).

Sample preparation

Samples have to be diluted with sample buffer provided with the kit. It is recommended to use a dilution factor of 2.

Test procedure and interpretation of results

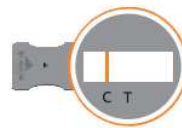
1. In case of not using sampling devices, an aliquot of 100 µl of the diluted sample has to be applied onto the sample port of the test cartridge. Do not add more than 100 µl onto the sample port of the test cartridge.



2. Read results in the result window after exactly 20 minutes. Read-out can be done visually by naked eye. For a semi-quantification of the test signals, tests can be measured with the miPROTECT® Reader (optical reader for the colorimetric measurement) or with the P.I.A.² Reader (rugged, hand-held reader with innovative camera system). Do not interpret results after 25 minutes.



Negative



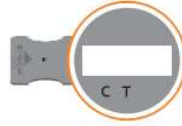
The appearance of one color line (control line) in the result window indicates a negative result.

Positive



The test is positive if two colored lines appear. One line appears in the control zone (C) and another line appears in the test zone (T).

Invalid



The test is invalid if no colored line appears.



The test is invalid if a test line appears in the test zone (T), only.

Normalized results (Ratio) should be calculated using following formula:

$$\text{Ratio} = \frac{\text{Peak Area Test [mV]}}{\text{Peak Area Control [mV]}}$$

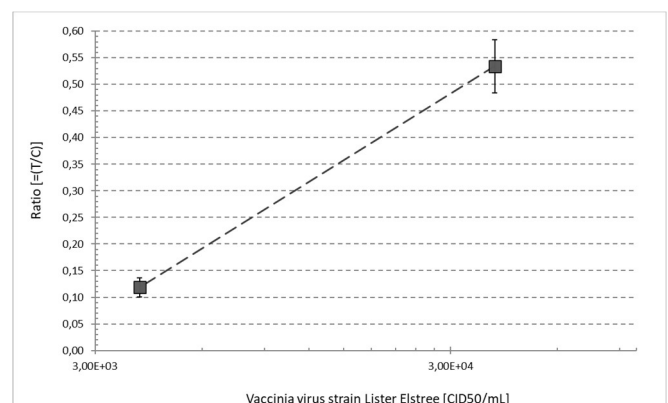


Fig. 1: Results obtained from the determination of the intra- and inter-assay precision (3 replicates on 3 days).