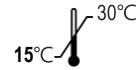


Rapid B&TS Protein Checker

REF IRR1946



Research Use only

Product Information

Rapid B&TS Protein Checker can be used for identifying rapid and accurate protein condition without SDS-PAGE, using protein extracted from human cell lines. In general, protein detection process including SDS-PAGE takes approximately 5 hours from preparing gel to identifying the protein. However, Rapid B&TS Protein Checker completes whole processes within 20 minutes. In addition, due to simple method of use, this kit allows user to perform the whole process without certain techniques or equipment.

Contents

- 1) Device : Sample well is located outside of plastic cassette and Control line(C) and Test line(T) are located in indicator.
- 2) Solution 1 : Colorless and odorless liquid in plastic container.
- 3) Solution 2 : Colorless and odorless liquid in plastic container.

Purpose of use

Identifying protein condition after extraction processes.

Sample and Method

1) Sample

- ① Use protein extracted from cultured cell line.
- ② Recommend to use sample right after extraction, or within 24 hours when stored at 4~8 °C

2) Method of use

If each sample and reagent is kept frozen, place it at room temperature before use.



After pulling out the testing cassette from the closed pouch, place it on the flat position.



Add extracted 20ul of protein solution to 1.5ml tube and mix with 5ul of solution 1 and 120ul of solution 2 consecutively. Heating for 1 minute at 100°C using heat block and drip sample to sample well after 2-3 minutes of cool down of the sample.



After 15 minutes check the result after applying the sample.

Interpretation

1) Positive

Red line appears at both control line (C) and test line (T) in the detection window.

2) Negative

Red line only appears at control line (C) and does not appear at test line (T) in the detection window.

3) Invalid

Regardless of red line appears at test line (T), perform a second trial of the test if red line does not appear at control line (C) in the detection window.

[Table 1. Example of interpretation]

NO.	Example of interpretation
1	Positive
2	Negative
3	Invalidity

4) Quality Control

- ① Red line must appear at control line (C) at every test performed.
- ② It is recommended to perform a second trial of the test if red line does not appear at control line (C). There is a potential possibility of fault in both product and procedures.

Precautions

1) General precautions

- ① Research use only.

2) Test precautions

- ① Due to deterioration of the product quality by exposing moisture, it is recommended to open pouch right before use and use within 60 minutes.
- ② Avoid direct contact of membrane with hand. It could affect the test result.

3) Storage precaution

- ① Store at room temperature and avoid excessive moisture, direct light and heat.
- ② Do not use expired products.

Packaging unit

25 tests/kit, 1 vial of Solution 1, 1 vial of Solution 2 and product manual.

Storage and shelf life

NO.	Contents	Condition	Storage	Shelf life	Remark
1	Test device	Unopened	15°C~ 30°C	18 months	Full Kit
		Opened	15°C~ 30°C	Within 1 hour after opening	Pouch
2	Solution 1	Unopened	15°C~ 30°C	18 months	
		Opened	15°C~ 30°C	Within 1 hour after opening	
3	Solution 2	Unopened	15°C~ 30°C	18 months	
		Opened	15°C~ 30°C	Within 1 hour after opening	

EXPLANATION OF SYMBOLS