




20x SSC Solution

REF WB-0003-50

 14 (50 ml)

For use in fluorescence *in situ* hybridization procedures

For Research Use Only.
Not for use in diagnostic procedures

1. Intended use

The 20x SSC Solution (WB3) is intended to be used for washing steps in fluorescence *in situ* hybridization (FISH) procedures.

2. Clinical relevance

This product is for research use only.

3. Test principle

The fluorescence *in situ* hybridization (FISH) technique allows for the detection and visualization of specific nucleic acid sequences in cell preparations. Fluorescently-labeled DNA fragments, so called FISH probes, and their complementary target DNA strands in the preparations are co-denatured and subsequently allowed to anneal during hybridization. Afterwards, unspecific and unbound probe fragments are removed by stringency washing steps. After counterstaining the DNA with DAPI, hybridized probe fragments are visualized using a fluorescence microscope equipped with excitation and emission filters specific for the fluorochromes with which the FISH probe fragments have been directly labeled.

4. Reagents provided

The 20x SSC Solution is available in one size:

- WB-0003-50: 50 ml (sufficient for 14 staining jars of 1x SSC Solution of 70 ml each)

5. Materials required but not provided

- Deionized or distilled water

6. Storage and handling

Store at 2-8°C. Return to storage conditions immediately after use. Do not use reagents beyond expiration date indicated on the label. The device is stable until expiration date indicated on the label when handled accordingly.

7. Warnings and precautions

- Read the instructions for use prior to use!
- Do not use the reagents after the expiry date has been reached!
- Do not reuse reagents!
- This product contains substances (in low concentrations and volumes) that are harmful to health and potentially infectious. Avoid any direct contact with the reagents. Take appropriate protective measures (use disposable gloves, protective glasses, and lab garments)!
- If reagents come into contact with skin, rinse skin immediately with copious quantities of water!
- A material safety data sheet is available on our homepage (www.zytovision.com)!
- Avoid any cross-contamination and micro-bacterial contamination of the reagents!

Hazard and precaution statements for WB3:

The hazard determining component is a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1).



Warning

H317	May cause an allergic skin reaction.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	IF skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

8. Preparatory treatment of the device

20x SSC Solution is a 20x concentrate which needs to be diluted before use.

9. Procedure

Preparation of diluted SSC Solution:

Final SSC concentration	20x SSC Solution	deionized or distilled water
2x SSC	20 ml	180 ml
1x SSC	10 ml	190 ml
0.5x SSC	5 ml	195 ml

10. Disposal

The disposal of reagents must be carried out in accordance with local regulations.

Our experts are available to answer your questions.
Please contact helptech@zytovision.com



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