



## 20x SSC Solution

100 ml

For use in *in situ* hybridization procedures

FOR RESEARCH USE ONLY

Product No.: [Z-2059](#)

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## 1. Scope of Application

The [20x SSC Solution](#) is designed to be used (after dilution) for washing steps in *in situ* hybridization applications (CISH or FISH).

**This product is designed for research purposes only and not for use in diagnostic applications.**

## 2. Safety Precautions and Disposal

- ✓ Read the operating instructions prior to use!
- ✓ Do not use the reagents after the expiry date has been reached!
- ✓ Avoid any cross-contamination and micro-bacterial contamination of the reagents!
- ✓ 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!
- ✓ Never pipet solutions with your mouth!
- ✓ The disposal of reagents must be carried out in accordance with local regulations!
- ✓ A material safety data sheet is available on request for the professional user!

## 3. The [20x SSC Solution](#)

The following components are included:

Code	Component	Quantity	Container
-	<a href="#">20x SSC solution</a>	2 x 50 ml	Screw-cap bottle
	Instruction manual	1	

The [20x SSC Solution](#) is a solution composed of 3 M Sodium chloride and 300 mM tri-Sodium citrate dihydrate, pH 7.0. The [20x SSC Solution](#) is sufficient for 2000 ml of a 1x SSC solution.

## 4. Storage and Shelf Life

The [20x SSC Solution](#) must be stored at RT. If these storage conditions are followed, the [20x SSC Solution](#) will function, without loss of performance, at least until the expiry date printed on the label.

## 5. Instruction

The [20x SSC Solution](#) is a 20x concentrate which needs to be diluted before use in *in situ* hybridization procedures (FISH or CISH) according to the needs of the user.

The [20x SSC Solution](#) can be diluted as follows:

Final SSC concentration	<a href="#">20x SSC Solution</a>	distilled or deionised water
2x SSC	20 ml	180 ml
1x SSC	10 ml	190 ml
0.5x SSC	5 ml	195 ml

The final experimental results of an ISH experiment are strongly influenced by upstream and downstream experimental steps, i.e., tissue fixation, pretreatment, denaturation of DNA probe, hybridization, washing, and detection. For a particularly user-friendly performance we recommend the use of ZytoVision's [ZytoDot](#), [ZytoFast](#), and/or [ZytoLight](#) ISH probes. ZytoVision's probes and ISH systems were used for the confirmation of appropriateness of the [20x SSC Solution](#).

Our experts are available to answer your questions.

**Trademarks:**

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