**UW Medicine - Pathology**

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20X and 2X SSC Stock Procedure

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| Adopted Date: 09/04/91Review Date: 06/12/09Revision Date: 03/16/07 |

PURPOSE

To make working solutions of 2xSSC from Stock 20X for FISH.

PROCEDURE

### Material and Equipment

* + - 1. pH meter

### Solutions

* + - 1. 20X SSC (Vysis, Order No. 32-804850)
			2. 12 N HCl
			3. 1 N NaOH
			4. Sterile H2O

### Preparation of 20X SSC

* + - 1. Mix thoroughly 132 g 20X SSC (from premeasured bottle) in 400 ml purified H2O.
			2. Measure pH and adjust to pH 5.3 with HCl.
			3. Add purified H2O to bring final volume to 500 ml.
			4. Store at ambient temperature. Discard stock solution after 6 months, or sooner if solution appears cloudy or contaminated.

### Preparation of 2X SSC

* + - 1. Mix thoroughly 100 ml 20X SSC (pH 5.3) with 850 ml purified H2O.
			2. Measure pH and adjust to pH to 7.0±0.2 with NaOH.
			3. Add purified H2O to bring final volume to 1 liter.
			4. Store at ambient temperature. Expires in 6 mo, or sooner if solution appears cloudy or contaminated.

REFERENCES

1. Vysis Manufacturer's Information Sheet for LSI Locus Specific Identifier DNA Probes, 2001.

Written By: Director Approval:

(Signature and Date) (Signature and Date)

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 Cytogenetics Supervisor