

Material and Equipment

1 Equipment:

Fixogum: Marabu Fixo gum, 290117000

Hybridization chamber: Corningâ , 2551

Staining box: Neolab, E-1701 E-1702

2 Chemicals:

Dig Easy: Roche, 1 796 895

Ficollâ 400: Sigma, 26873-85-8

Polyvinylpyrrolidon: Roth, 4606.1

BSA Fraktion V: PAA, K41-401-100

Cot1-DNA: Gibco BRL, 15279-011

3 Solutions:

50X Denhardt`s:

·Ficoll 400: 1% (w/v)

·Polyvinylpyrrolidon: 1% (w/v)

·BSA Fraktion V: 1% (w/v)

steril filtration before storage at –20°C

2x Hybridization Buffer:

·2,5xDIG-EASY: 2xDIG-Easy

·100xDenhardt`s: 10xDenhardts

·cot1-DNA 20ng/µl: 2ng/µl

Storage at –20°C

2,5x DIG EASY: add 25,6mL H₂O to original DigEasy bottle, solve and storage at –20°C

20% SDS (w/v): Heat 200g SDS in 900mL MQ-H₂O to 68°C and solve; check pH7.2 with HCl and fill to 1000ml; do not autoclave; store at RT;

20xSSC: 175,3g NaCl and 88,2g Na-Citrat in 1000ml MQ-H₂O; pH7.0; autoclave, store at RT

Washing Buffer 1: 1X SSC, 0,1%SDS, store at RT

Washing Buffer 2: 0.1X SSC, 0,1%SDS, store at RT

