



QUALITY CONTROL

CERTIFICATE OF ANALYSIS N° 15

CODE	PRODUCT	LOT.	EXPIRY
MA0110	e-Surf Glass Slides	PS018	16/03/2007

Description of Hybridisation procedure

A representative sample of slides (2,5%) from each batch is processed as follows: A 23 mer amino modified oligo is deposited onto glass surface: printing concentration is 10µM and print buffer is 150 mM phosphate buffer pH 8,5. Four sub arrays of 3 x 3 spots each are prepared to check entire glass surface. After an overnight incubation in humid environment, residual reactive groups are blocked using 50 mM ethanolamine and Tris 0,1M pH 9 for 15 minutes. To get the slide ready for hybridisation reaction the slide is first immersed in 4x SSC containing 0,1% SDS at 50°C for 15 minutes and than washed with water and air dried. A CY3 labelled oligonucleotide, complementary to that immobilized on the slide, diluted to 1µM in 2x SSC, 0,1%SDS and 0,2 mg/ml BSA is than added to the slide under a cover slip. Hybridisation takes place in humid chamber at 65°C for 2 h. After washing with 2 x SSC 0,1%SDS at 65°C and than with decreasing concentrations of SSC at room temperature, the slide is spin dried and scanned usingPerkin Elmer ScanArray Express HT (550-570nm). Instrument software converts scanned images into spots and background fluorescence numbers. The ratio between the two represents the result (Signal / Noise). Within batch precision is the CV% of all tested slides (N° values = 36 x N° slides processed).

Results

Test / Reference	Units	Actual / Result	Expected / Specification
Hybridisation test			
• Probe concentration	µM	10	10
• Target concentration	µM	1	1
• Laser power	%	22	22
• Photo multiplier power	%	64	64
• Hybridisation fluorescence	RFU	25078	> 4500
• Signal / Noise	N	739.61	> 32
• Within batch precision	%	11.26	≤ 15

Comments:

FAIL



DATE

PASS



QUALITY CONTROL MANAGER