

Ex Vivo Human Atrium Contractility Assays

Biopta Ltd, June 2007

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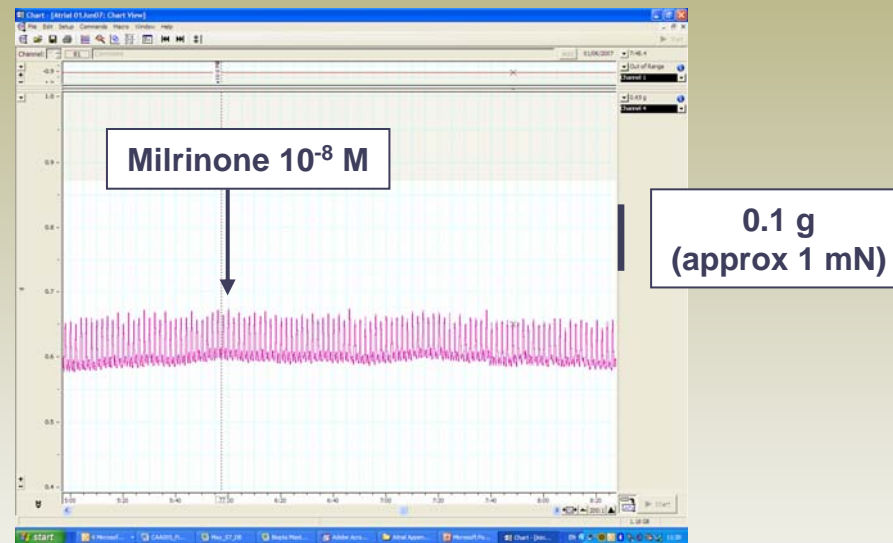


Proof of Concept in Man

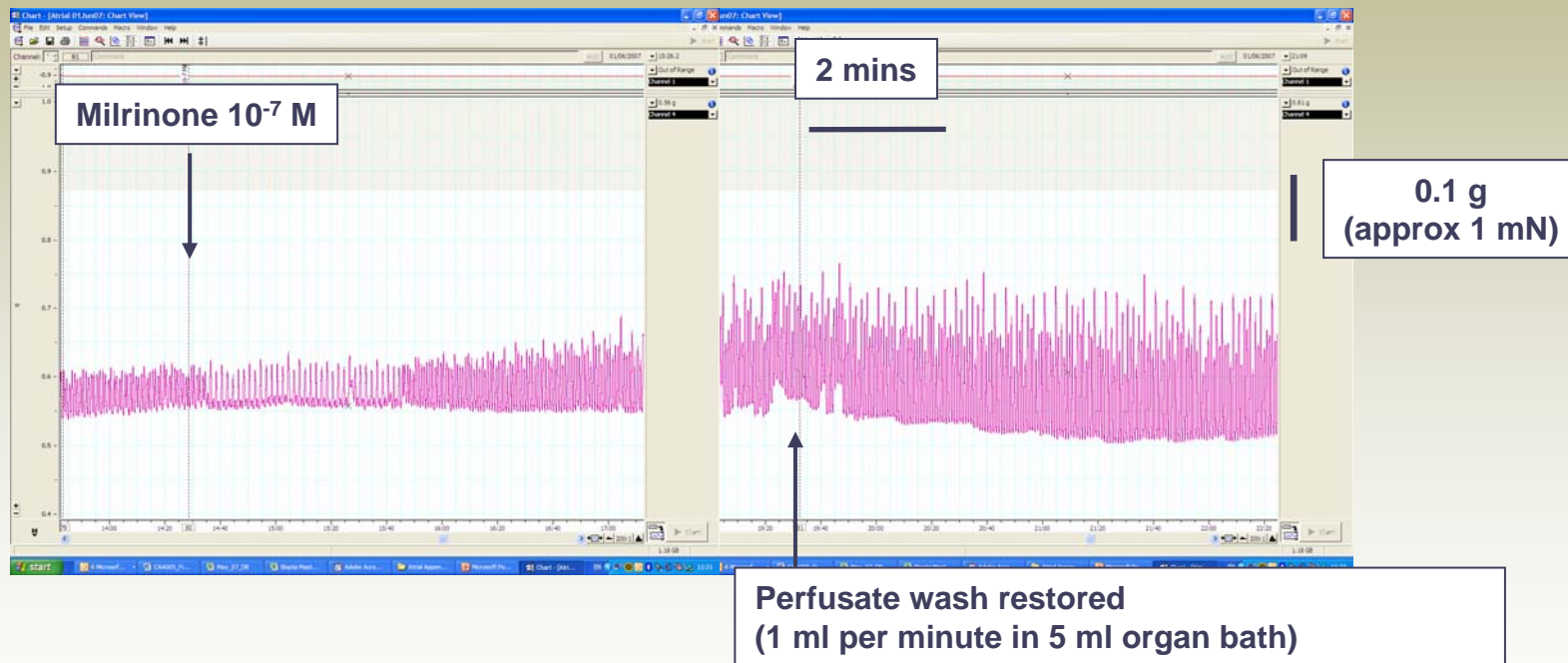
Proof of Concept in Man



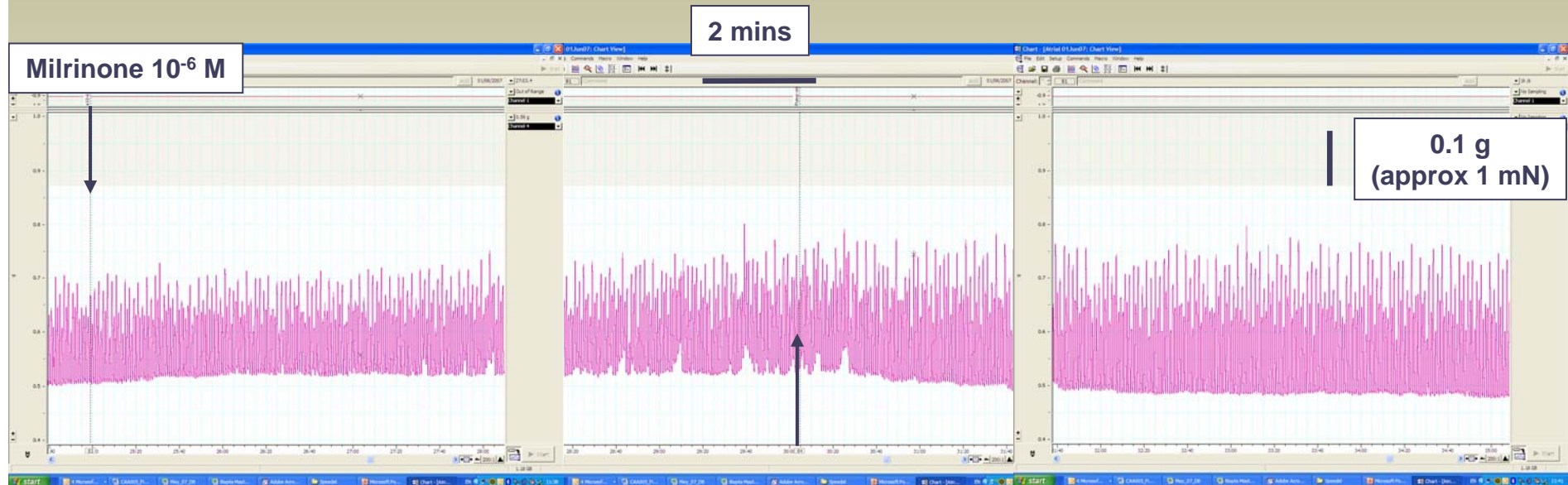
Baseline and 10^{-8} M Milrinone



10⁻⁷ M Milrinone



10⁻⁶ M Milrinone

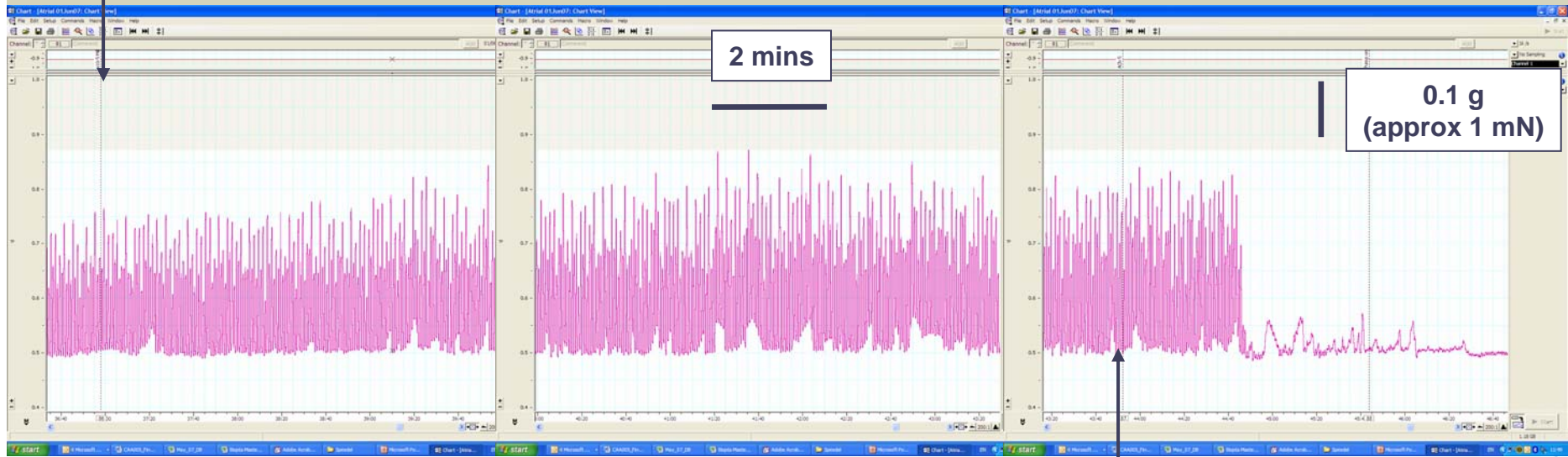


Perfusate wash restored
(1 ml per minute in 5 ml organ bath)



10⁻⁵ M Milrinone

Milrinone 10⁻⁵ M



2 mins

0.1 g
(approx 1 mN)

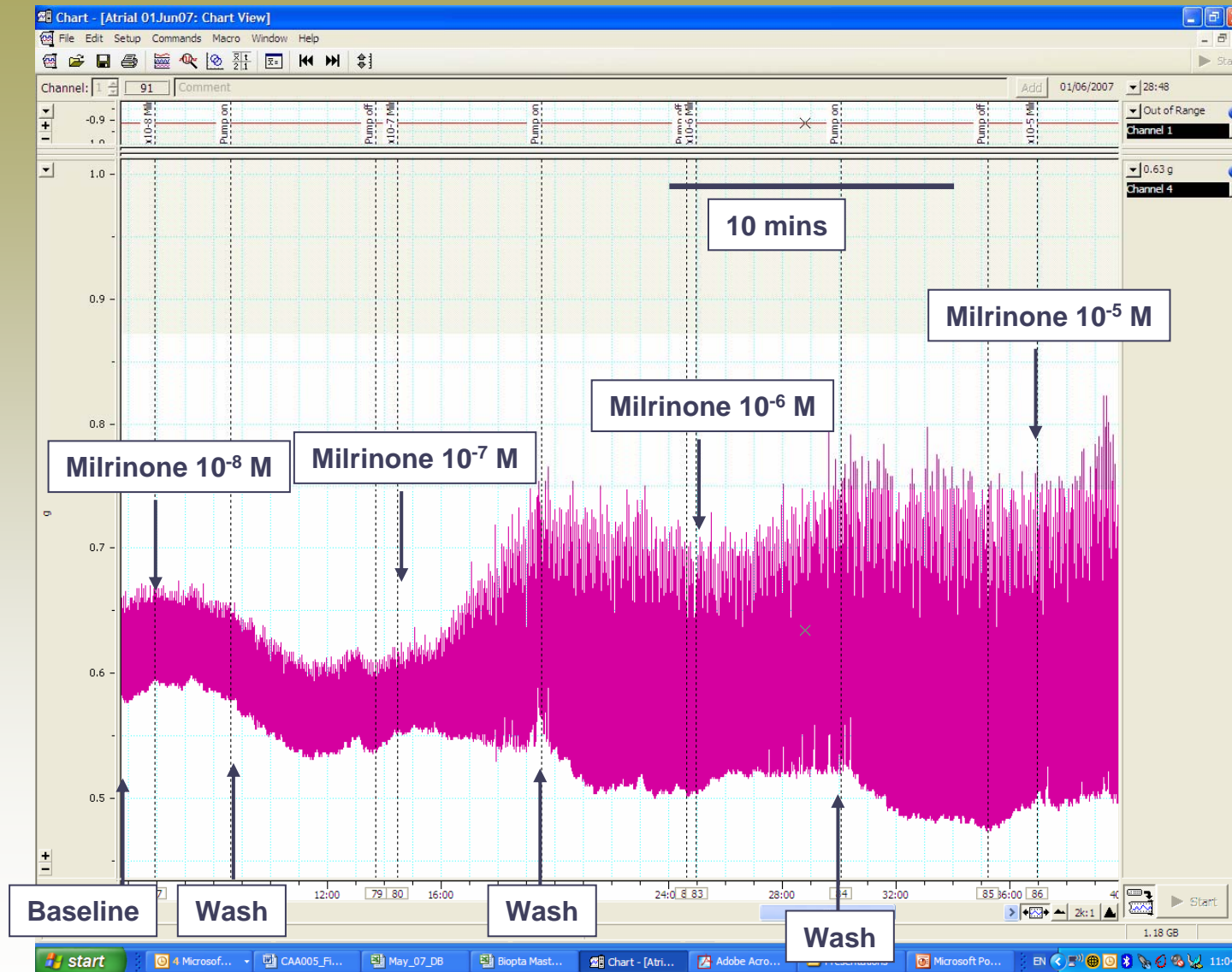
10⁻⁵ M acetylcholine



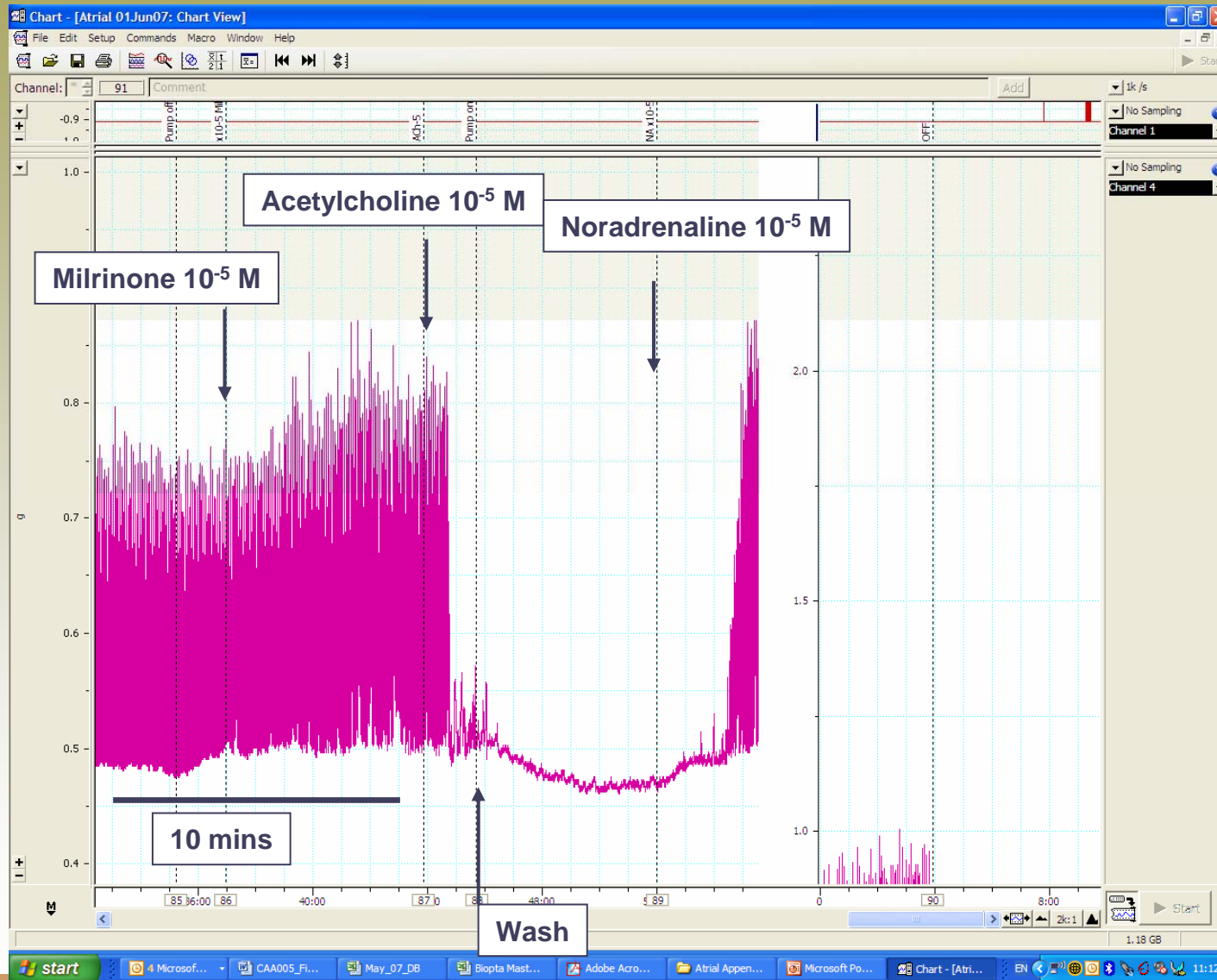
Proof of Concept in Man



Overview of Experiment



Overview of Experiment (continued)



Summary of Results

Avg Height g	Test Condition	Response as % of Baseline
0.0792	Baseline	100.00
0.0736	10-8 M milrinone	92.92
0.0603	wash period	76.16
0.1652	10-7 M milrinone	208.66
0.1745	wash period	220.37
0.2082	10-6 M milrinone	262.89
0.2247	wash period	283.76
0.2771	10-5 M milrinone	349.93
0.0434	10-5 M ACh	54.82
0.0053	wash period	6.67
0.3232	10-5 M noradrenaline	408.20

