



HAMILTON THORNE BIOSCIENCES

100 Cummings Center, Suite 465C
Beverly, MA 01915

CERTIFICATE OF ANALYSIS

Product:	Accu-beads (liter only)	Exp. Date:	December 2009
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Type	Range	Lot #	Date of Analysis
18 M/ml	± 2.5 M/ml	080912181	1/16/09

Test Type and Quantity	20 μ m Fixed Coverslip Chamber Calibration	S.D.	CV%	Calculated Hemacytometer Calibration Range*
stock (4)	18.53 M/ml	0.48	2.58	17.09 to 31.09 M/ml
sample (12)	18.75 M/ml	1.97	10.51	17.34 to 31.34 M/ml

Type	Range	Lot #	Date of Analysis
35 M/ml	± 5.0 M/ml	080912351	11/7/08

Test Type and Quantity	20 μ m Fixed Coverslip Chamber Calibration	S.D.	CV%	Calculated Hemacytometer Calibration Range*
stock (4)	36.95 M/ml	2.82	7.64	35.04 to 61.04 M/ml
sample (12)	38.58 M/ml	2.85	7.40	37.15 to 63.15 M/ml

Stock Analysis verified by:	Theodore Natoli	Date: 1/7/09
Sample Analysis verified by:	Theodore Natoli	Date: 1/16/09

Signed:

Date: 1/16/09

* Calculation based on hemacytometer flow dynamics ratio as described in Accu-beads Technical Note. Please see <http://www.hamiltonthorne.com/research/accessories/accubeads> for more information.