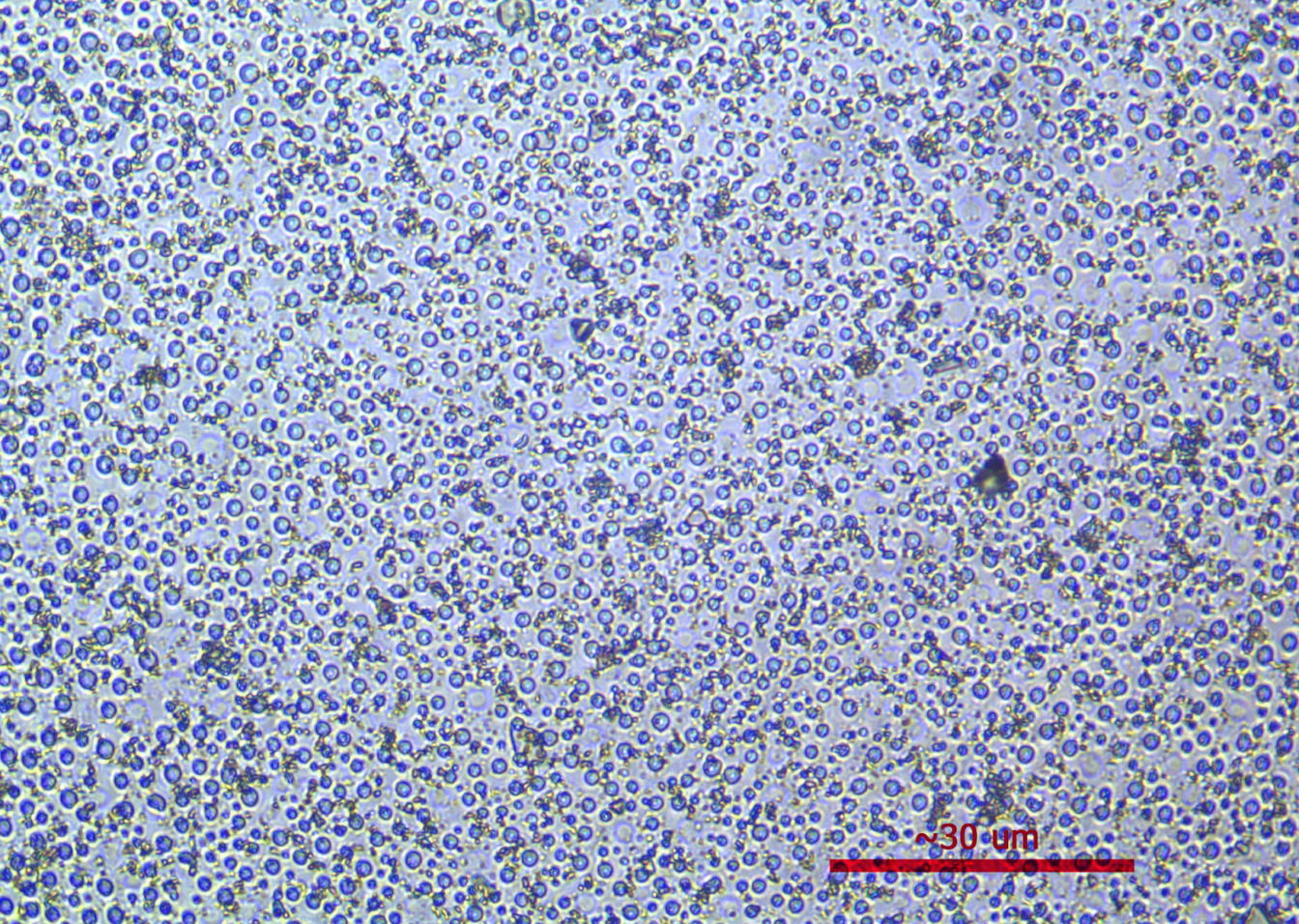




~30 um

PARTICLE SIZE DISTRIBUTION

Analyst: Stan Cassell

Chemoptix ID#: Silver Halide 1 -150 F

Client: Kirk

Project Manager: Kirk-Stan

Date Sampled: 4/12/09

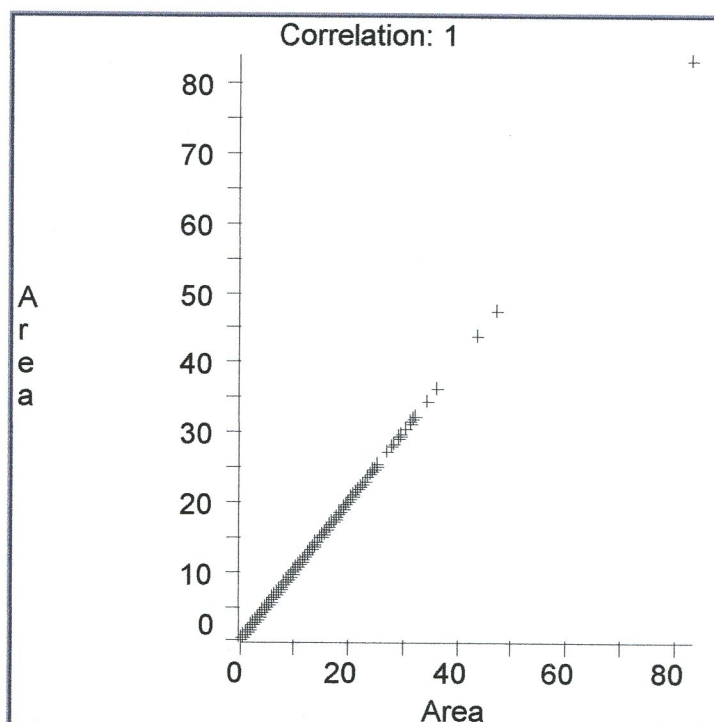
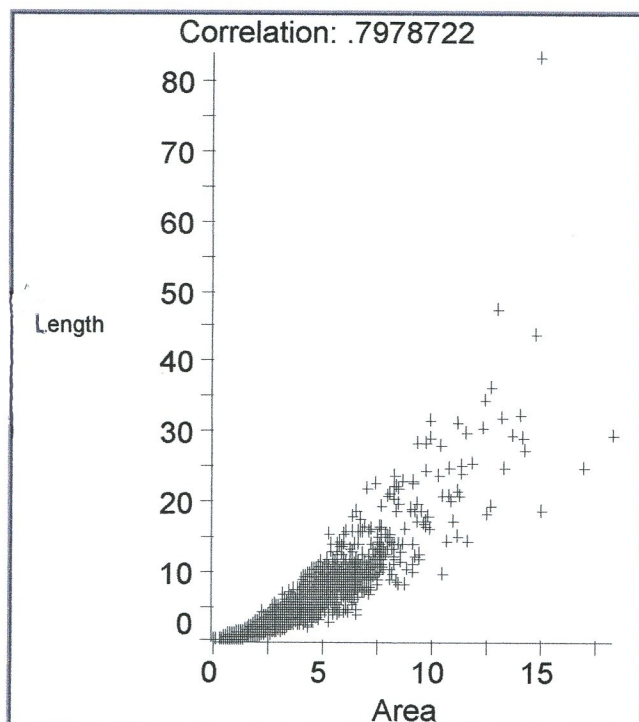
Date Analyzed: 4/14/09

Matrix: gel suspension

Volume Filtered: --

A particle size distribution has been completed on this sample.
The particles have been sized using a Zeiss Universal research microscope equipped with NIST traceable calibrated optics. Image capture is done using a SPOT RT digital camera with image analysis by Image Pro Plus.

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RELATIVE PARTICLE SIZE DISTRIBUTION

Class	Objects	% Area	Mean Area	Std.dev. Area	Min Area	Max Area	% Size (length)	Mean Size (length)	Std.dev. Size (length)	Min Size (length)	Max Size (length)	(Range of...	Size (length))
1	7716	22.005541	.48274761	.23051903	.14220765	1.5642842	36.214970	.84058863	.24204634	.50012207	1.4996338	.50	1.50
2	1755	15.197608	1.4658124	.51069695	.46217486	4.088470	18.841326	1.9227462	.28327170	1.5001221	2.4995956	1.50	2.50
3	1393	31.212652	3.7927995	1.6572680	1.0310055	11.198853	26.910450	3.4598517	.70234770	2.5000305	4.9978333	2.50	5
4	430	25.910431	10.199678	4.3143229	2.8797050	31.392340	15.537168	6.4712925	1.2020079	5.0106201	9.9346313	5	10
5	36	5.6737676	26.677761	12.465519	9.6345682	83.475891	2.4960883	12.417811	1.8558247	10.307434	18.195313	10	100

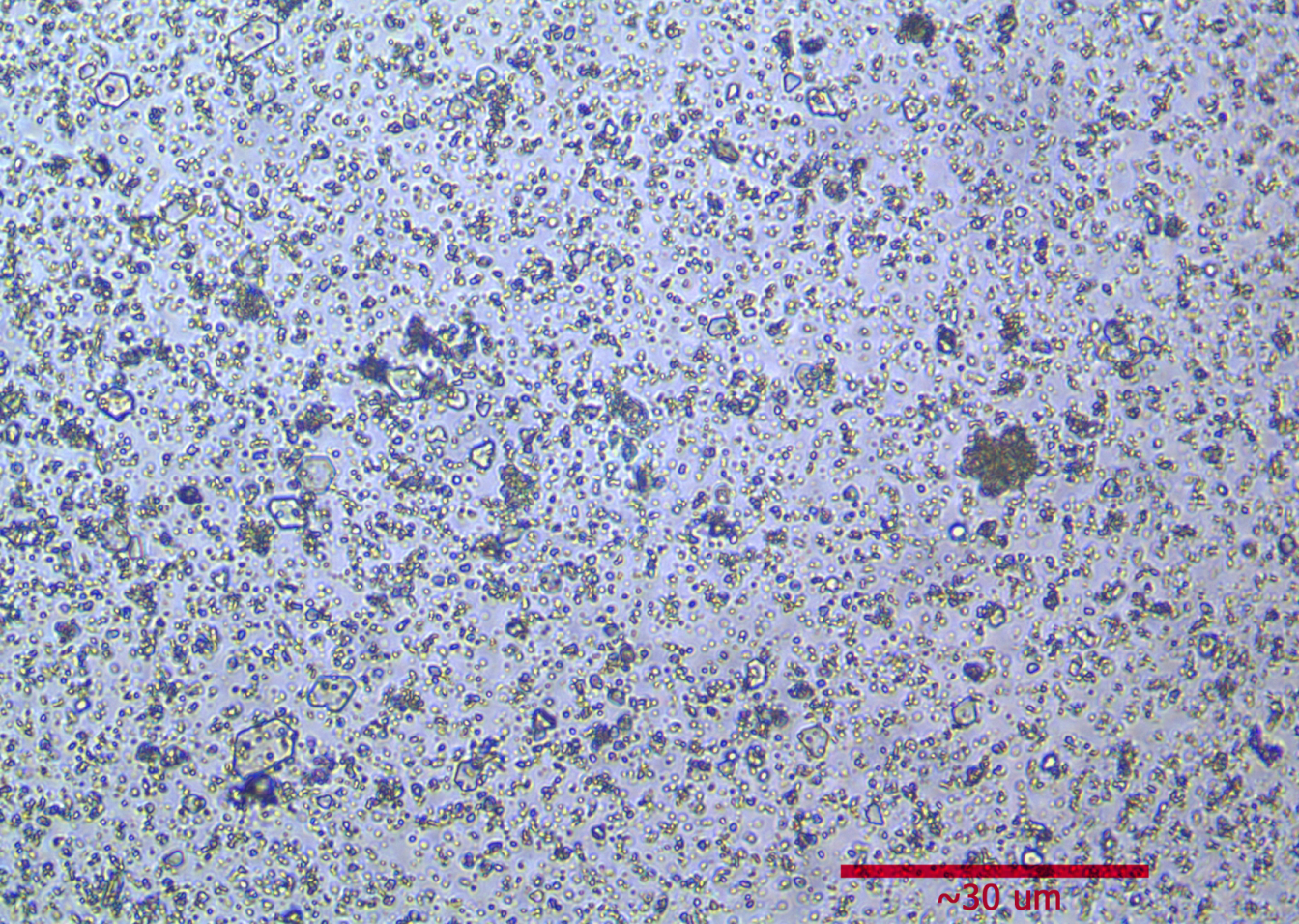
Particle analysis performed at 400x magnification.

*All dimensions are in micrometers (um).

Comments:

Silver Halide 1: ~150 F.

Crystals were kept in a dark cardboard box for ~36 hours



~30 μm

PARTICLE SIZE DISTRIBUTION

Analyst: Stan Cassell

Chemoptix ID#: Silver Halide 1 -70 F

Client: Kirk

Project Manager: Kirk-Stan

Date Sampled: 4/12/09

Date Analyzed: 4/14/09

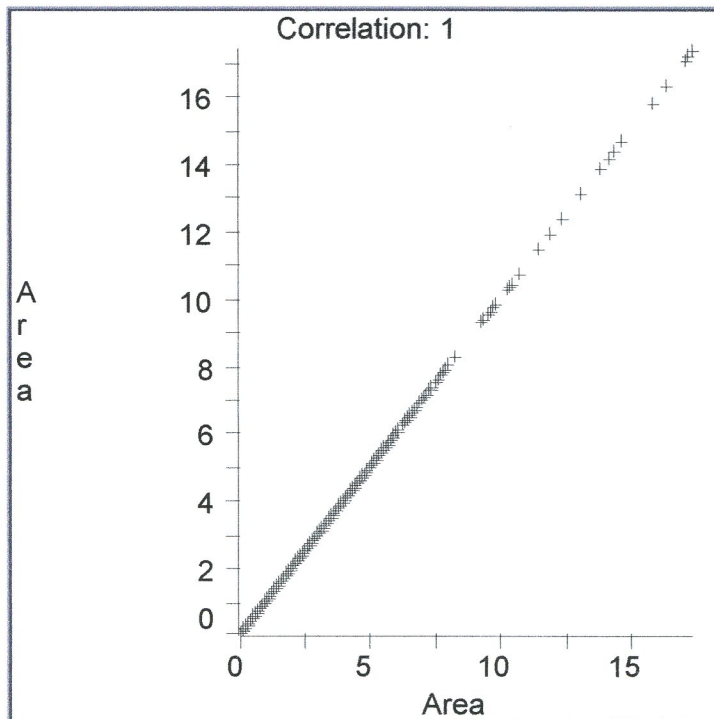
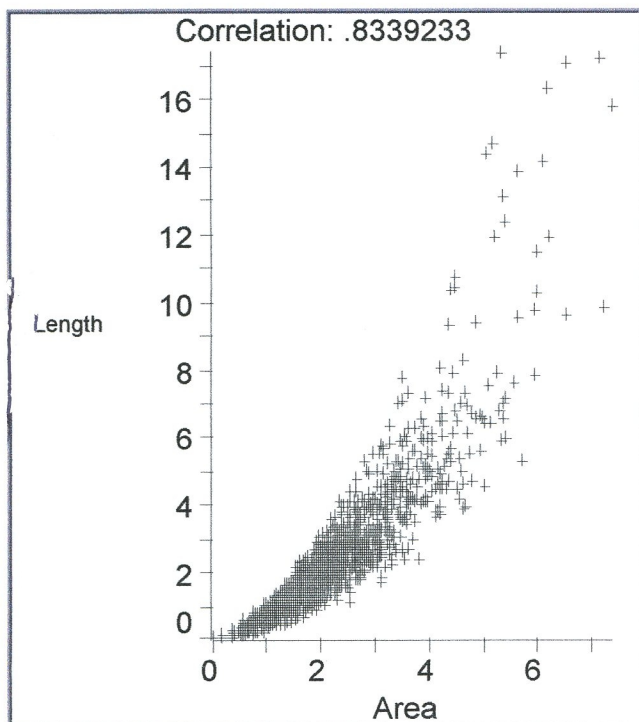
Matrix: gel suspension

Volume Filtered: --

A particle size distribution has been completed on this sample.

The particles have been sized using a Zeiss Universal research microscope equipped with NIST traceable calibrated optics. Image capture is done using a SPOT RT digital camera with image analysis by Image Pro Plus.

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RELATIVE PARTICLE SIZE DISTRIBUTION

Class	Objects	% Area	Mean Area	Std.dev. Area	Min Area	Max Area	% Size (length)	Mean Size (length)	Std.dev. Size (length)	Min Size (length)	Max Size (length)	(Range of...	Size (length))
1	3348	34.219536	.62625736	.30911383	.14220765	1.7420437	44.865696	.90312839	.26738685	.50018311	1.4992676	.50	1.50
2	1067	31.271976	1.7957880	.56918311	.60438251	4.088470	30.120766	1.9024889	.28700292	1.5003815	2.4993973	1.50	2.50
3	464	28.902903	3.8166971	1.4579874	1.1376612	10.736678	22.209625	3.2258470	.59882087	2.5006943	4.9746552	2.50	5
4	33	5.6055841	10.408092	3.8673484	4.5506449	17.313782	2.8039136	5.7262626	.63675922	5.0267029	7.3613281	5	10
5	0	0	0	0	0	0	0	0	0	0	0	10	100

Particle analysis performed at 400x magnification.
*All dimensions are in micrometers (um).

Comments:

Silver Halide 1: ~70F

Crystals were kept in a dark cardboard box for ~36 hours