



Single-Read Sequencing on the Genome Analyzer II Lab Tracking Form

Flow cell _____

Run folder _____

1 Samples Loaded

Lane	Sample ID	Concentration (pM)
1		
2		
3		
4		
5		
6		
7		
8		

2 Cluster Generation

Step	Date
Amplification	
Linearization, Blocking, and Primer Hybridization	

Single-Read Cluster Generation Kit v2 Lot Numbers

Reagent	Lot Number
AMX1	
AT1	
BMX	
EMX	
HP3	
HP4	
HT1	
HT2	
LS1	



Single-Read Sequencing on the Genome Analyzer II Lab Tracking Form

Reagent Volumes After Amplification

Position	Reagent	Volume
1	AMX1	
3	HT2	
9	AT1	
12	HT1	

Reagent Volumes After Linearization, Blocking, and Primer Hybridization

Position	Reagent	Volume
3	HT2	
4	BMX	
7	HP1	
12	HT1	
15	LS1	
17	HP3	

3 Preparing Sequencing Reagents

SBS Sequencing Kit v3 Lot Numbers

Reagent	Lot Number
IMX	
FFN	
SDP	
CLM	
SMX	
PR1	
PR2	
PR3	
PW1	



Single-Read Sequencing on the Genome Analyzer II Lab Tracking Form

4 Pre-Run Wash

Expected Volume	Delivered Volume
7 ml	

5 Preparing, Loading, and Priming Reagents

Weights of Material Delivered

Position	Solution	Weight before Run	Weight after Run	Delivered Weight
1	IMX			
2	PW1			
3	SMX			
4	PR1			
5	PR2			
6	CLM			
7	PR3			

Priming Reagents

Expected Volume	Delivered Volume	% Difference
6.4 ml		

6 Checking for Leaks and Reagent Delivery

Port Position 5

Expected Volume: 800 μ l
Measured Volume 1: _____
Measured Volume 2: _____
Measured Volume 3: _____
% Difference Between
Expected Volume and
Measured Volume 3: _____



Single-Read Sequencing on the Genome Analyzer II Lab Tracking Form

7 Setting Best Focus for Channel A

Z Position	FQ value

Position of Z for Lane 4: _____

8 Adjusting Focus

FQ Calculation

Z Position	A	C	G	T	Total
300					
200					
100					
0					
-100					
-200					
-300					



Single-Read Sequencing on the Genome Analyzer II Lab Tracking Form

9 Performing Post-Run Procedures

Run Fluid Delivery Data

Lane	Weight of Empty Tube	Weight of Tube after Run	Weight of Fluid Delivered during Run
1			
2			
3			
4			
5			
6			
7			
8			

Post-Run Wash

Weight of Tube after Wash: _____

Weight of Empty Tube: _____

Weight of Fluid Delivered: _____

10 Sign-off

Date: _____

Name: _____

Signature: _____