

Flow Cell \_\_\_\_\_ Start Date \_\_\_\_\_

Run Folder \_\_\_\_\_

Instrument Name \_\_\_\_\_

Flow Cell Type    Single-Read \_\_\_\_\_    Paired-End \_\_\_\_\_

Run Type            Single-Read Run \_\_\_\_\_    Multiplexed Single-Read Run \_\_\_\_\_

                         Paired-End Run \_\_\_\_\_    Multiplexed Paired-End Run \_\_\_\_\_

Flow Cell Gasket Package ID

Gaskets (package of 4) ID (RGT-####) \_\_\_\_\_

## 1 Template and Primer

HT1 Lot Number \_\_\_\_\_

Template	Concentration (pM)	Custom Primer (Optional)

## 2 Lot Numbers

TruSeq Rapid SBS Kit Lot Number

Box (-15° to -25°C) Kit ID (RGT-####) \_\_\_\_\_

Rack position	Reagent	Lot Number
1	IMM	
2	PW1	
3	SRM	
4	PW1	
5	USB	
6	USB	
7	CRM	
8	PW1	

### TruSeq Rapid Paired-End Cluster Kit Lot Numbers

Box (-15° to -25°C) Kit ID (RGT-####) \_\_\_\_\_

Rack position	Reagent	Lot Number
10	FRM	
11	FLM2	
12	FLM1	
13	AMS	
14	FPM	
15	FDR	
16	HP11	
17	HP12	
18	HP10	
19	PW1	

### TruSeq Rapid Single Read Cluster Kit Lot Numbers

Box (-15° to -25°C) Kit ID (RGT-####) \_\_\_\_\_

Rack position	Reagent	Lot Number
10	PW1	
11	PW1	
12	PW1	
13	AMS	
14	FPM	
15	FDR	
16	HP9	
17	HP12	
18	HP10	
19	FLS	

## 3 Reagent Weights

### Weights of Single Read Cluster Reagents

Position	Reagent	Weight Before Run	Weight After Run	Delivered Weight	Expected Volume (includes 1 ml prime)
13	AMS				5.18 ml
14	FPM				2.57 ml
15	FDR				2.77 ml

Position	Reagent	Weight Before Run	Weight After Run	Delivered Weight	Expected Volume (includes 1 ml prime)
16	HP9				1.2 ml
17	HP12				1.2 ml
18	HP10				1.2 ml
19	FLS				1.25 ml

### Weights of Paired-End Cluster Reagents

Position	Reagent	Weight Before Run	Weight After Run	Delivered Weight	Expected Volume (includes 1 ml prime)
10	FRM				1.2 ml
11	FLM2				1.25 ml
12	FLM1				1.25 ml
13	AMS				6.91 ml
14	FPM				3.24 ml
15	FDR				3.64 ml
16	HP11				1.2 ml
17	HP12				1.2 ml
18	HP10				1.2 ml

### Weights of SBS Reagents

Position	Reagent	Weight Before Run	Weight After Run	Delivered Weight	Expected Volume per cycle	Expected Volume 2x10 <sup>1</sup> cycles (includes 1mL prime)
1	IMM				0.22mL	45.44 ml
3	SRM				0.15mL	31.3 ml
5	USB				1.076mL	218.352 ml*
6	USB				1.076mL	218.352 ml*
7	CRM				0.22mL	45.44 ml

\*USB volume delivered will vary depending on type of run, number of flow checks or resumptions during the run.

## 4 Post-Run Maintenance/Water Wash Delivery

### Maintenance Wash Volumes

Positions	Expected Vol. Water Wash	Delivered Vol. Water Wash	Expected Vol. NaOH Wash	Delivered Vol. NaOH Wash	Expected Vol. Water Wash	Delivered Vol. Water Wash
1-20 (includes SLS)	19 ml		9.5 ml		19 ml	

Water Wash Volumes

Positions	Expected Vol. Water Wash	Delivered Vol. Water Wash
1-20 (includes SLS)	19 ml	

5 Sign-Off

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_