



*Instruction for Use*

## ***AccuNext* Dual Index (CDI) Kit for Illumina**

AG12505 AG12506 AG12507

Version.V1E1

**Research Use Only**  
**Not For Diagnosis Procedures**

## 1. Description

This kit is a Dual Index Adapter Kit, designated for Illumina sequencing platforms. This kit is consist of i5 Index Primer and i7 Index Primer, could be used to construct 96 different pairs of Dual Index for library construction. It is recommended to be used along with the *AccuNext* Stranded RNA-seq Library Kit for Illumina (AG12503/AG12504). The constructed library would have a structure shown as below.



## 2. Kit Information

Kit Name	Cat. No	Specification
<i>AccuNext</i> Dual Index (CDI) Kit for Illumina	AG 12505	12 rxns
	AG 12506	48 rxns
	AG 12507	96 rxns

## 3. Transportation and Storage

Storage	Store at $-20^{\circ}\text{C}$
Transportation	Transport at $-20^{\circ}\text{C}$ Dry Ice or Blue Ice Condition

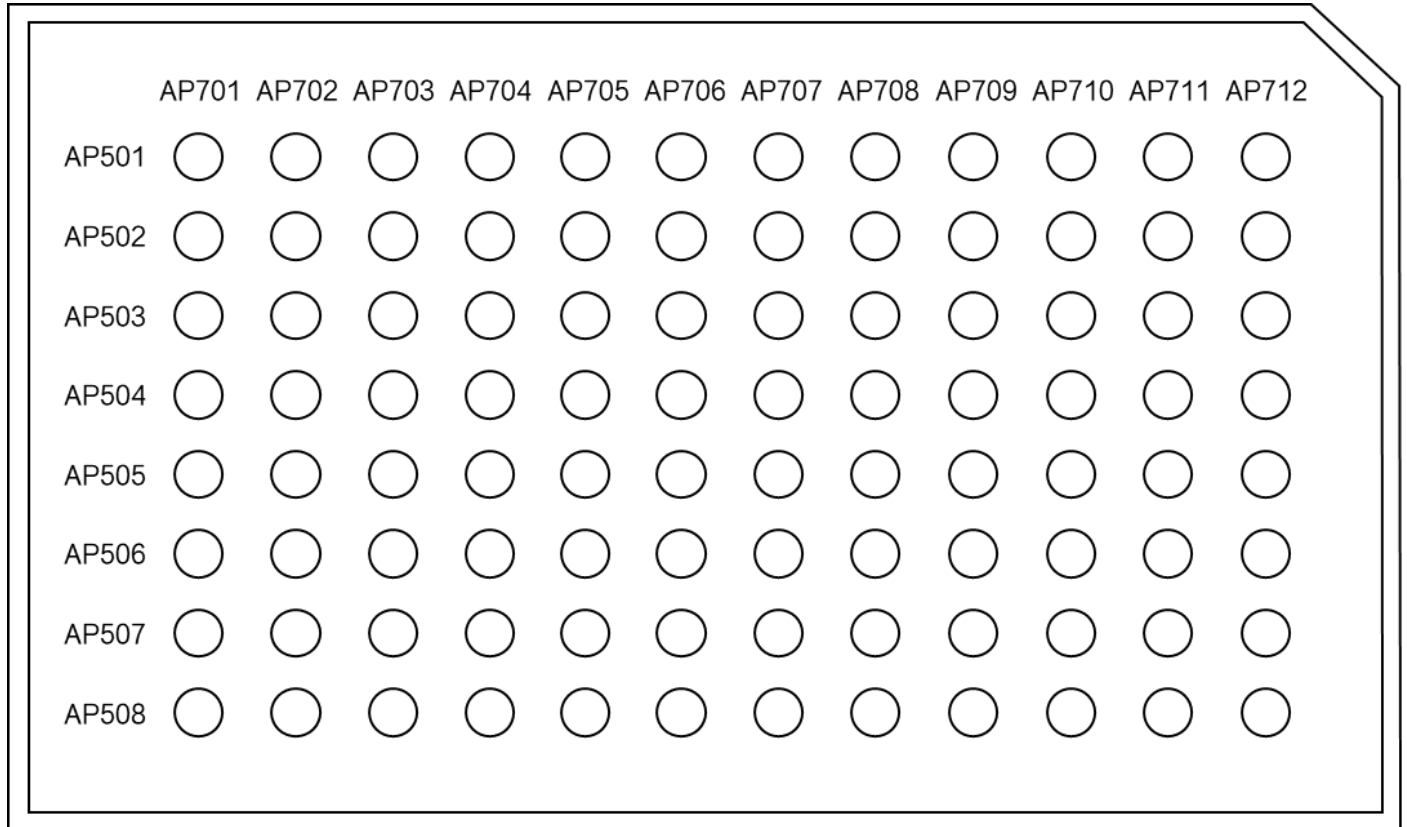
## 4. Kit Components

Intended Use	Component Code	AG 12505 (12 rxns)	AG 12506 (48 rxns)	AG 12507 (96 rxns)	Cap Color
i5 Index Primer (AP501-AP508)	AP 501	12 $\mu\text{l}$	12 $\mu\text{l}$	12 $\mu\text{l}$	●
	AP 502	-	12 $\mu\text{l}$	12 $\mu\text{l}$	●
	AP 503	-	12 $\mu\text{l}$	12 $\mu\text{l}$	●
	AP 504	-	12 $\mu\text{l}$	12 $\mu\text{l}$	●
	AP 505	-	-	12 $\mu\text{l}$	●
	AP 506	-	-	12 $\mu\text{l}$	●
	AP 507	-	-	12 $\mu\text{l}$	●
	AP 508	-	-	12 $\mu\text{l}$	●
i7 Index Primer (AP701-AP712)	AP 701	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●
	AP 702	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●
	AP 703	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●
	AP 704	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●
	AP 705	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●
	AP 706	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●
	AP 707	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●
	AP 708	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●
	AP 709	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●
	AP 710	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●
	AP 711	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●
	AP 712	5 $\mu\text{l}$	5 $\mu\text{l}$	8 $\mu\text{l}$	●

## 5. General Guideline

- (1) Concentration of i5 Index Primer/i7 Index Primer is 12.5  $\mu$ M. Input and concentration should be adjusted per actual experimental condition.
- (2) Thoroughly thaw the components at room temperature before use.
- (3) Recommend pairing and plate setup is shown as below.

Using AG12507 AccuNext Dual Index (CDI,Illumina)



## 6. Sequence Information

i5 Index Primer for Illumina

5' -AATGATACGGCGACCACCGAGATCTACAC **[i5 Index]** ACACTCTTCCCTACACGAGCTCTCCGATCT- 3'

i7 Index Primer for Illumina

5' -CAAGCAGAAGACGGCATACGAGAT **[i7 Index]** GTGACTGGAGTTCAGACGTGTGCTCTCCGATCT- 3'

*[i5 Index] represents the i5 Index sequence of 8 bp length; [i7 Index] represents the i7 Index Sequence of 8 bp length*

i5 Index Primer	i5 Index Sequence	i7 Index Primer	i7 Index Sequence
AP 501	TATAGCCT	AP 701	ATTACTCG
AP 502	ATAGAGGC	AP 702	TCCGGAGA
AP 503	CCTATCCT	AP 703	CGCTCATT
AP 504	GGCTCTGA	AP 704	GAGATTCC
AP 505	AGGCGAAG	AP 705	ATTCAGAA
AP 506	TAATCTTA	AP 706	GAATTCGT
AP 507	CAGGACGT	AP 707	CTGAAGCT
AP 508	GTA CTGAC	AP 708	TAATGCGC
-	-	AP 709	CGGCTATG
-	-	AP 710	TCCGCGAA
-	-	AP 711	TCTCGCGC
-	-	AP 712	AGCGATAG



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