

APPLICATION NOTE FOR

ABBOTT ARCHITECT® C8000®<sup>1</sup>

## The NGAL Test™ Reagent Kit

REF/Cat. No.	ST001RA		ST002RA	ST003RA
Prod. name	The NGAL Test™ Reagent Kit		The NGAL Test™ Calibrator Kit	The NGAL Test™ Control Kit
	R1	R2	50, 150, 600, 1500, 3000 ng/mL	Low and High
	1 x 35 mL	1 x 7 mL	5 x 1 mL	3 x 1 mL x 2 levels

Number of determinations: 1 mL of immunoparticle suspension **R2** provides 25 cuvette readings with the provided settings in this application. The dead volume of the analyzer and reagent container should be added when calculating the required amount of reagent.



Regulatory status:

For Research Use Only. Not for use in diagnostic procedures.

### CALIBRATION STABILITY

It is recommended to recalibrate every 4 weeks, when reagent lots change or quality control results fall outside the range as established by the individual laboratory.

### TROUBLE SHOOTING

If performance is unacceptable, try to recalibrate. Check reagents and procedure. If the problem persists, please contact instrument supplier or reagent supplier.

<sup>1</sup> Architect® and c8000® are registered trademark of Abbott Laboratories, North Chicago, Illinois, USA.

## APPLICATION PARAMETERS

### General parameters

Name:	NGAL	Assay type:	Photometric
Assay number:	*1	Assay availability:	Enabled
Assay version:	1	Cal version:	1

### Reaction definition

Reaction mode:	End Up	Main read time:	27 - 28
Primary wavelength:	572	Color correction read time:	0 - 0
Secondary wavelength:		Blank read time:	19 - 20
Last read required:	33		
Absorbance range:	0.0000 – 0.0000		
Sample blank type:	Self blank		
Blank assay:			

### Reagent/Sample

Reagent:	NGAL	R2 reagent volume:	40
R1 reagent volume:	120	R2 water volume:	0
R1 water volume:	0	R2 dispense mode:	Type 0
R1 dispense mode:	Type 0	Diluent dispense mode:	Type 0
Diluent name:	Saline		

Dilution name	Sample volume	Diluted sample volume	Diluent volume	Water volume	Dilution factor
Normal	2.4				1:1.00
Rerun 1	15.0	2.4	105.0		1:8.00
Rerun 2	6.0				1:1.00

### Validity Checks

Reaction check type:	Rate RATIO	Read time B range:	19 - 20
Read time A range:	32 - 33	Minimum absorbance:	0.0150
Calculation limit:	0.18 - 9.9	Rate linearity %:	0
Maximum absorbance variation:			

\*1 To be defined by operator.

**Calibration Parameters**

Calibration method: Spline  
 Use cal factor from: Factor:  
 Full interval hours: 0 Adjustment interval hours: 0  
 Adjustment type: None Adjustment level:  
 Expected cal factor: 0.00 Default ordering type: Full  
 Expected factor tolerance %: 0.0 Blank absorbance range: 0.0000 - 0.0000  
  
 Span: Span absorbance range: 0.00 - 0.00  
 Maximum curve fit: 0.00  
  
 Calibrator set name: \*1 Replicates: 3

Cal level	Concentration	Sample volume	Diluted sample	Diluent volume	Water volume
Blank	0	2.4			
Cal. 1	50	2.4			
Cal. 2	150	2.4			
Cal. 3	600	2.4			
Cal. 4	1500	2.4			
Cal. 5	3000	2.4			

**Smart Wash**

Cal level	Reagent/Assay	Wash	Volume	Replicates	Wash protocol

**Result Parameters**

Linearity range: 25 - 3000

Flag range specification:

Gender	Age	Normal range	Extreme range
		-	-

**Interpretation Parameters**

**Result Unit**

Result concentration unit: ng/mL Correlation factor: 1.0000  
 Result decimal places: 0 Intercept: 0.0000