## CERTIFICATE OF ANALYSIS

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**Product Description**: V-PLEX® and V-PLEX Plus NHP IL-7 Kit

**Kit Catalog Numbers**: K156RC-Series

Kit Lot Number: K0081019
Expiration Date: 31 Jul 2019

## **Acceptance Data/ Percent Recovery Specifications:**

		Calibrator		Cytokine Panel 1 (human) Control 1		Cytokine Panel 1 (human) Control 2		Cytokine Panel 1 (human) Control 3	
Spot	Name	Recovery	CV	Recovery	CV	Recovery	CV	Recovery	CV
1	NHP IL-7	80% - 120%	< 20%	80% - 120%	< 20%	80% - 120%	< 20%	80% - 120%	< 20%

		LLOQ			ULOQ		
Spot	Name	Value	Recovery	cv	Value	Recovery	CV
1	NHP IL-7	0.546	80% - 120%	< 20%	563	80% - 120%	< 20%

## **Stock Concentration of Material Tested:**

Spot	Name	Item	Conc	Units
1	NHP IL-7	Calibrator	881	pg/mL
		Cytokine Panel 1 (human) Control 1	348	pg/mL
		Cytokine Panel 1 (human) Control 2	56.4	pg/mL
		Cytokine Panel 1 (human) Control 3	8.49	pg/mL

Controls tested may not be the same lot as shipped.

The calibrator and controls for this assay contain a human recombinant cytokine calibrator sequence that is highly homologous to the non-human primate cytokine. This assay has been verified to cross-react with homologs of rhesus and cynomolgus monkeys. See Product Insert for experimental data.

#### **Standard Curve Data:**

NHP IL-7 - Spot 1					
Conc. pg/mL	ECL Signal	%CV			
881	219,000	4.0			
220	53,700	2.2			
55.1	12,800	2.2			
13.8	3,230	1.1			
3.44	892	2.0			
0.860	280	1.4			
0.215	127	3.8			
0.00	80	4.2			

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## **Components:**

Description	Lot Number	Storage Temperature	Expiration Date
Human IL-7 Plate	Z0046841	2-8°C	30 Nov 2020
Anti-hu IL-7 Antibody	D0080888	2-8°C	31 Jul 2019
Cytokine Panel 1 (human) Calibrator Blend	A0080144	2-8°C	31 Aug 2022
Diluent 43	M0430026	≤ -10°C	31 Aug 2020
Diluent 3	M0030082	≤ -10°C	31 Oct 2020
MSD Read Buffer T	Not Kit Specific	Not Kit Specific	N/A

Additional Components Included in V-PLEX Plus				
Plate Seals	Not Kit Specific			
Wash Buffer (20X), 100 mL	Not Kit Specific			
Cytokine Panel 1 (human) Control 1	Not Kit Specific			
Cytokine Panel 1 (human) Control 2	Not Kit Specific			
Cytokine Panel 1 (human) Control 3	Not Kit Specific			

## **Statement**:

The above product is intended for Research Use Only. Not for use in Diagnostic Procedures.

	Name	Function	Signature	Date
Review/Approval	Dawn Stollar	Quality Assurance	Dawn Stollar	14 AUG 2018