Meso Scale Diagnostics, LLC.

CERTIFICATE OF ANALYSIS

Product Description: V-PLEX® and V-PLEX Plus Human IP-10 Kit

Kit Catalog Numbers: K151NV-Series, K156NV-Series

Kit Lot Number: K0081222

Expiration Date: 31 Jan 2020

Acceptance Data/ Percent Recovery Specifications:

		Calibrator		Chemokine Panel 1 (human) Control 1		Chemokine Panel 1 (human) Control 2		Chemokine Panel 1 (human) Control 3	
Spot	**Name**	**Recovery**	**CV**	**Recovery**	**CV**	**Recovery**	**CV**	**Recovery**	**CV**
1	hu IP-10	80% - 120%	< 20%	80% - 120%	< 20%	80% - 120%	< 20%	80% - 120%	< 20%

		LLOQ			ULOQ		
Spot	**Name**	**Value**	**Recovery**	**CV**	**Value**	**Recovery**	**CV**
1	hu IP-10	1.37	80% - 120%	< 20%	500	80% - 120%	< 20%

Stock Concentration of Material Tested :

Spot	Name	Item	Conc	Units
1	hu IP-10	Calibrator	2420	pg/mL
		Chemokine Panel 1 (human) Control 1	589	pg/mL
		Chemokine Panel 1 (human) Control 2	86.8	pg/mL
		Chemokine Panel 1 (human) Control 3	14.3	pg/mL

Controls tested may not be the same lot as shipped.

Standard Curve Data:

hu IP-10 - Spot 1		
Conc. pg/mL	**ECL Signal**	**%CV**
2420	300,000	7.7
605	112,000	4.4
151	29,600	4.0
37.8	7,630	3.0
9.45	1,960	3.0
2.36	523	1.7
0.591	180	7.5
0.00	72	5.7

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Components:

Description	Lot Number	Storage Temperature	Expiration Date
Human IP-10 Plate	Z0046809	2-8°C	30 Sep 2020
Anti-hu IP-10 Antibody	D0081164	2-8°C	31 May 2022
Chemokine Panel 1 (human) Calibrator Blend	A0080131	2-8°C	31 Jul 2022
Diluent 43	M0430024	≤ -10°C	31 Jan 2020
Diluent 3	M0030081	≤ -10°C	30 Sep 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), 100mL	Not Kit Specific
Chemokine Panel 1 (human) Control 1	Not Kit Specific
Chemokine Panel 1 (human) Control 2	Not Kit Specific
Chemokine 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	Dawn Stollar	18 APR 2019