CERTIFICATE OF ANALYSIS

COA - 06217

Product Description: MSD[®] Human TH1/TH2 10-Plex Tissue Culture Kit
Catalog #/Size: K15010B-1 / 1 Plate; K15010B-2 / 5 Plates; K15010B-4 / 25 Plates
Lot Number: K0034895
Expiration Date: N/A (See expiration date on specific components below)
Statement: This product was manufactured and tested according to approved MSD documents. This lot meets MSD's specifications.

Kit Contents:

Plate Lot Number: Z0045440 Plate Lot Catalog Number: N05010B Plate Lot Expiration Date: 28 FEB 2017 Antibody blend Lot Number: D0033271 Antibody blend Catalog Number: D2010 Antibody blend Expiration Date: 31 MAR 2017 Antibody source (host/species): hIFN γ , hIL-2, hIL-5, hIL-12p70: Mouse hIL-1 β , hIL-8, hIL-13, hTNF α : Goat hIL-4, hIL-10: Rat Calibrator blend Lot Number: A0032116 Calibrator blend Catalog Number: C01XX Calibrator blend Expiration Date: 30 APR 2017 Calibrator source (host/species): hIFN γ , hIL-1 β , hIL-8, hIL-13, hTNF α , hIL-2, hIL-4: *E. coli* hIL-5, hIL-10, hIL-12p70: *Sf* 21

Specifications:

Release method: Coating uniformity

Mean Intraplate CV: $\leq 15\%$ Mean Interplate CV: $\leq 18\%$ No more than one plate with CV > 18% No plate with CV > 20%

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

	Name	Function	Signature	Date
Preparer	Rolanda Spratley	Biologics/Chemistry	Bo factor Fratter	18 MAR 2016
Review/Approval	Dawn Stollar	Quality Assurance	Dawn Stollar	22 MAR 2016