CERTIFICATE OF ANALYSIS: TITRATION PLATES

COA - 07687

Product Description: MSD GOLD™ 96-Well Small Spot Streptavidin SECTOR® Plate
Catalog #: L45SA-1 (1 plate); L45SA-2 (5 plates); L45SA-5 (30 plates); L45SA-6 (120 plates); L45SA-7 (510 plates)
Lot Number: Z0021255
Expiration date: 31May2019
Statement: This product was manufactured and tested according to approved MSD Standard Operating Procedures.

This product has an approximate binding capacity of 0.075 pmoles of biotinylated IgG. For optimal assay results, the amount of biotinylated reagent used in the assay should not exceed this binding capacity.

Titration plates were tested using tagged BTI lot: R0010578

Concentration of SULFO-TAG™ Conjugated Biotinylated IgG (BTI)	Mean ECL spec and tolerance range	Pass/Fail?
1.5 nM (0.075 pmole)	45,472 counts ± 15%	Pass
1.0 nM (0.05 pmole)	34,498 counts ± 15%	Pass
0.5 nM (0.025 pmole)	18,826 counts ± 15%	Pass
0 nM (0.0 pmole)	Not to exceed 100 counts	Pass

Concentration of SULFO-TAG™ Conjugated Biotinylated IgG (BTI)	Intraplate CV or SD spec	Pass/Fail?
1.5 nM (0.075 pmole)	10%	Pass
1.0 nM (0.05 pmole)	10%	Pass
0.5 nM (0.025 pmole)	10%	Pass
0 nM (0.0 pmole)	15 count SD	Pass

CERTIFICATE OF ANALYSIS: UNIFORMITY PLATES

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This product has an approximate binding capacity of 0.075 pmoles of biotinylated IgG. For optimal assay results, the amount of biotinylated reagent used in the assay should not exceed this binding capacity.

Metric	Specification	Pass/Fail?
Mean Intraplate CV	≤ 6%	Pass
Intraplate CV	≤ 8% for at least 91.5% of plates	Pass
Number of plates with intraplate CV >12%	0 plates	Pass
Interplate CV	≤ 8%	Pass
Plates where signal > 20% from plate mean occurs in same well on multiple plates	0 plates	Pass
Wells with signal > 50% from plate mean	0 plates	Pass
Median signal for concentric rings, min to max range	≤ 10% for all plates	Pass
Median signal for columns, min to max range	≤ 10% for at least 91.5% of plates	Pass
Median signal for columns, min to max range	≤ 15% for all plates	Pass
Median signal for rows, min to max range	≤ 10% for at least 91.5% of plates	Pass
Median signal for rows, min to max range	≤ 15% for all plates	Pass
Number of plates sampled (N)	Lot size dependent; see SOP 3-2000-6P0002	Pass

The above product is intended for research use only. Not for use in diagnostic procedures.

	Name	Function	Signature	Date
Review/Approval	Xiomara Talavera	Quality Control	X Talavera	23 DEC 2016
Review/Approval	Dawn Stollar	Quality Assurance	Dawn Stollar	23 DEC 2016