Example) Human VEGF Immunoassay(#DVE00)의 Spike recovery/Linearity test결과

-모든 제품의 insert에서 해당 제품에 대한 Spike recovery/Linearity test 및 intra/inter assay, sensitivity 결과를 제공해 드리고 있습니다.

SENSITIVITY

Using Calibrator Diluent RD5K the minimum detectable dose of VEGF is typically less than 5.0 pg/mL. Using Calibrator Diluent RD6U the minimum detectable dose is typically less than 9.0 pg/mL.

The minimum detectable dose was determined by adding two standard deviations to the mean optical density value of twenty zero standard replicates and calculating the corresponding concentration.

RECOVERY

The recovery of VEGF spiked to three different levels in five samples throughout the range of the assay in various matrices was evaluated.

Sample Type	Average % Recovery	Range
Cell culture media	102	95 - 111%
Serum	102	92 - 115%
EDTA plasma	97	82 - 113%
Heparin plasma	93	82 - 102%
Citrate plasma	100	88 - 113%

정확한 결과

LINEARITY

다양한 sample

To assess linearity of the assay, five samples were spiked with high concentrations of VEGF in various matrices and diluted with the appropriate Calibrator Diluent to produce samples with values within the dynamic range of the assay.

		Cell culture media	Serum	EDTA plasma	Heparin plasma	Citrate plasma
1:2	Average % of Expected	98	97	97	94	95
	Range (%)	94 - 100	91 - 103	82 - 107	87 - 99	90 - 100
1:4	Average % of Expected	96	97	98	93	94
	Range (%)	93 - 99	93 - 104	91 - 106	85 - 98	89 - 99
1:8	Average % of Expected	93	96	96	92	92
	Range (%)	88 - 102	93 - 103	89 - 106	85 - 101	85 - 97
1:16	Average % of Expected	93	94	94	94	92
	Range (%)	88 - 105	91 - 101	84 - 106	83 - 103	85 - 98