

Choose Your Luminex® Assay Format

R&D Systems offers Luminex Assays in two formats. Our Luminex Discovery Assays offer complete flexibility with over 450 analytes to custom build your panel, while our Luminex High Performance Assays are optimized as flexible, pre-configured panels and deliver near single analyte ELISA performance. Use the side-by-side comparison table below to determine which Luminex Assay format is right for you.

Which Luminex Assay Format is Right for You

Feature		Luminex Discovery Assay	Luminex High Performance Assay
Species Available	Human	✓	✓
	Mouse	✓	
	Rat	✓	
	Primate		✓
	Porcine	✓	
Sample Volume Required	µL Sample	≤ 25 - 50	≤ 25 - 50
Multiplex Analyte Capacity	Magnetic	50 User-Selected	User-Selected from Panel, or Fixed Panel
Validated Sample Types	Serum	✓	✓
	Plasma	✓	✓
	Cell Culture Supernates	✓	See Datasheet**
	Milk		See Datasheet**
	Saliva		See Datasheet**
	Urine		See Datasheet**
Run Time	Hours	3-3.5	2.5-5
Kit Preparation	Premixed	✓	✓
	End-user Mixed		✓
Assay Validation	Mean Sensitivity	< the low standard*	≤ 3/4 the low standard
	Intra-assay Precision	< 20%	< 15%
	Intra-assay Precision	< 30%	< 17%
	Recovery (Individual Samples)	N/A	70-130%
	Assay Linearity	Dose-Dependent Decrease in Values	1:2-1:8
	Linearity (Individual Samples)	Dose-Dependent Decrease in Values	70-130%
Analytes Available	Human	> 350	>135
	Mouse	> 108	0
	Rat	17	0
	Primate	0	36
	Porcine	20	0

For mean sensitivity values for each analyte visit | rndsystems.com/luminex/analytes
**Visit | rndsystems.com/luminexperformance

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