

Proteograph® ONE Assay Kit

Product Specifications

The **Proteograph ONE Assay Kit** enables deep, unbiased, and rapid proteomic analysis at high throughput with a single MS injection per sample using Seer proprietary engineered nanoparticle technology. The automated workflow **minimizes hands-on time for sample preparation** while ensuring robust reproducibility. The Proteograph ONE Assay kit includes all labware and reagents needed to perform the workflow with up to 40 or 80 samples using the SP200 Automation Instrument.



Proteograph® ONE Assay Kit product specifications		
Kit Configuration	40 samples, 80 samples	
Sample Input Volume	120 µL	
Sample Type ^a	Human plasma, human serum, mouse plasma	
Run Time	40-sample Hands-On: 45 minutes Automation: 4 hours 40 minutes Peptide Quantification: 30 minutes (10 minutes setup and 20 minutes automation)	80-sample Hands-On: 1 hour Automation: 4 hours 50 minutes Peptide Quantification: 30 minutes (10 minutes setup and 20 minutes automation)
Peptide Yield ^b	1–4 µg	
Shelf Life	Minimum of 6 months from shipping date when stored as required	
Storage	Reagents: 2–8°C Labware: ambient	

^a Sample types validated for use with the Proteograph ONE Assay Kit. Other sample types may be compatible. See other supporting technical documentation for more information.

^b Range is for validated sample types. Results will vary for other sample types

Specification Sheet

Materials Included		
Reagent	40 sample kit (S55R5001)	80 sample kit (S55R5002)
Wash Solution	1	2
Nanoparticle Solution	1	1
Reconstitution Solution	1	1
Binding Solution	1	2
Recovery Solution	1	1
Trypsin / LysC Tube	1	1
Denaturing Solution	1	1
Enzyme Reconstitution Solution	1	1
Reduction Solution	1	1
Alkylation Solution	1	1
Trypsin / LysC Protease MS Grade	2	4
Proteograph Cleanup Particles Tubes Pouch	1	2
Proteograph ONE Nanoparticle Tubes Pouch	1	1
Proteograph Control Tubes	1	1
Labware	40 sample kit (S55R5001)	80 sample kit (S55R5002)
Cleanup Plate 1	1	1
Cleanup Plate 2	1	1
Reagents Reservoir 1	1	1
Binding Reservoir	1	1
Reagents Reservoir 2	1	1
Collection Plate	1	1
Wash Reservoir	1	1
Preparation Plate	1	1
Nanoparticle Plate	1	1
Sample Transfer Plate	1	1

Ordering Information ^c	
Product	Code
Proteograph® ONE Assay Kit 40 Samples	S55R5001
Proteograph® ONE Assay Kit 80 Samples	S55R5002
Proteograph® ONE Assay Kit 160 Samples	S55R5003

^c Additional consumables and peripheral equipment are required to use the Proteograph ONE Assay Kit.

Related Products	
Product	Code
Proteograph® ONE PQR Kit	S55R5006
Peptide Calibration Kit	S55R5013

Contact us at **1-844-ASK-SEER** or by email at support@seer.bio, if you have any questions.

Visit our website at [Seer.bio](https://seer.bio) for more information.

Proteograph Product Suite

The **Proteograph® Product Suite** featuring the **Proteograph ONE Assay Kit** includes the **SP200 Automation Instrument**, the Proteograph line of assay kits, and the Proteograph Analysis Suite software. The Proteograph Product Suite integrates seamlessly with existing liquid chromatography-mass spectrometry (LC-MS) proteomic analysis workflows to enable unbiased, deep, and rapid proteomics at scale, supporting high-throughput analysis of biofluid samples in large cohort studies.

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