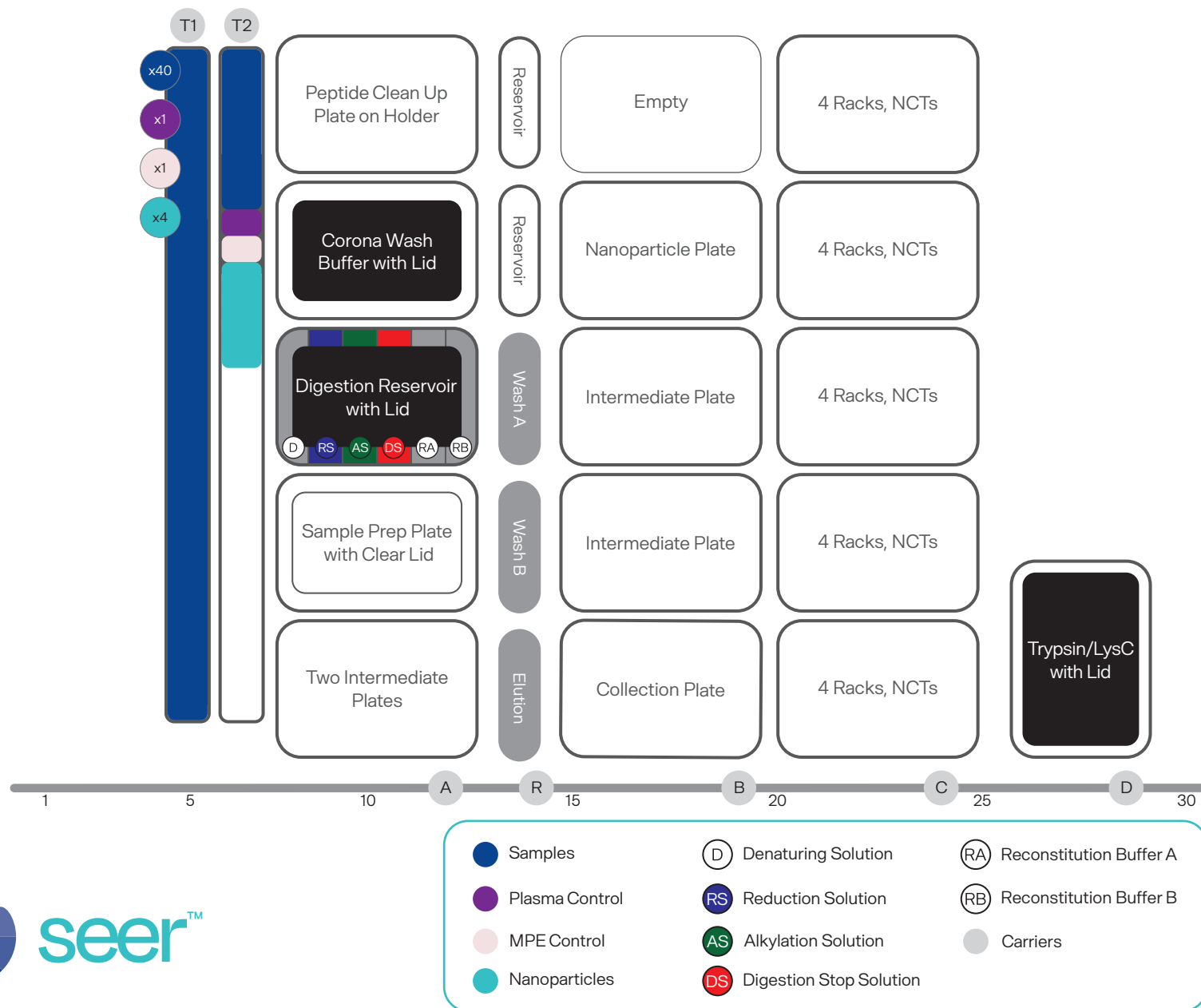


Proteograph™ XT Assay Quick Reference (40 Samples)



Start SP100

1. Turn on the SP100, [MPE]², chiller unit, and computer

CHECK

- Gas supply pressure is ≥ 110 psi
- [MPE]² pressure is between 105–110 psi
- Centrifuge temperature is 4 °C
- Chiller unit temperature is 4–5 °C

2. Launch  Instrument Control Software (ICS)

3. Run Daily Maintenance method

4. Run Weekly Maintenance method as needed

TIPS

- Ensure waste receptacles are below max fill level
- Ensure Maintenance methods pass before thawing samples

Stage Materials

1. Thaw frozen samples in ice water to prepare for loading

KEEP ON ICE

- Trypsin/LysC 8-Well Reservoir with Lid
- Enzyme Reconstitution Solution
- Trypsin/LysC Protease MS Grade

2. Prepare the remaining labware and reagents

3. Manually inspect all labware barcode orientations

- Do not allow samples to warm to room temperature

TIPS

- Limit lyophilized nanoparticles and controls exposure to air
- Refer to “Best practices” in the User Guide prior to Assay Setup & Start

Assay Setup & Start

1. Load carriers on the work deck with provided labware and reagents, referring to layout and checklist on ICS
2. Add 500 μ L Enzyme Recon Soln. to each vial of Trypsin/LysC; transfer all reconstituted Trypsin/LysC into Well A of the Trypsin/LysC 8-Well Reservoir and place onto chiller unit
3. Prepare 240 μ L neat plasma per sample for all samples
4. Centrifuge samples at 5000 x g for 2 minutes
5. Transfer samples to the Seer Sample Tubes while on ice
6. Cap the Sample Tubes, centrifuge at 5000 x g for 1 minute

TIPS

- During sample transfer, pipette slowly and avoid blowing out to minimize bubbles
- Pour reagents from the front of the 6-Well Digestion Reservoir to prevent cross-contamination
- Do not attempt to open front protective cover or pull out carriers during method
- Post assay, thoroughly wash and retain Corona Wash Reservoir to fill with 70% isopropyl alcohol for [MPE]² Flush
- Seer recommends using a “trap and elute” LC-MS configuration

*See the User Guide for the Proteograph™ XT Assay for full protocol

