

# HILIC SOP

Last Updated: August 22, 2025

## Parameters

Name	Range	Default
Number of Samples	1-96	
Reduction and Alkylation	On/Off	On
Incubation Temperature	37 or 47 °C	47 °C
Incubation Time	1 hr, 2 hrs, infinite	1 hr

## Liquids

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**HILIC Bead Solution**  
An aliquot of the HILIC bead solution

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**Protein Buffer**

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**Digestion Buffer**

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**Equilibration Buffer**  
100mM ammonium acetate, pH 4.5, 15% acetonitrile

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**Binding Buffer**  
200mM ammonium acetate, pH 4.5, 30% acetonitrile

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**Wash Buffer**  
95% acetonitrile (5% water)

☐

**sample**

☐

**DTT Stock**  
Dtt Stock

☐

**IAA Stock**  
IAA Stock

## Labware

Opentrons Flex 96 Filter Tip Rack 200 µL

Opentrons Tough 96 Well Plate 200 µL PCR Full Skirt

ThermoFisher 96 Well Plate 250 µL

NEST 96 Deep Well Plate 2mL

NEST 12 Well Reservoir 15 mL

Opentrons 96 Well Aluminum Block with Generic PCR Strip 200  $\mu$ L

Opentrons 10 Tube Rack with Falcon 4x50 mL, 6x15 mL Conical

Opentrons Tough PCR Auto-Sealing Lid

To upload dilution data: put it at top of program and upload to robot