

# PARTS LIST FOR ANALYZER MAINTENANCE

## Daily Maintenance

Maintenance Procedure	Part	Part Number
<b>Inspect the Sample, Reagent, Diluent, and Diluted Sample Syringes for Leaks</b>	Clean, dry, lint-free absorbent tissue	Commercial item
<b>Inspect the Sample, Reagent, and Diluted Sample Probes</b>	Alcohol prep pad (70% Isopropyl alcohol)	Commercial item
<b>Inspect the Diluent Probes</b>	Alcohol prep pad (70% Isopropyl alcohol)	Commercial item
<b>Inspect the Level of the Cleaning Solution</b>	Cleaning Solution	
	> Cleaning Solution	> MS036800
	> Clean 99 K solution	> MD389200 (Japan)
<b>Inspect the Microplates</b>	Microplate	
	> P3	> ZM047000
	> P4	> ZM062100
	> P3B prebarcoded	> MU840500 (AP)
	> P4B prebarcoded	> MU840600 (AP)
<b>Inspect the Printer and the Paper</b>	Printer paper	Commercial item
<b>Inspect the Diluted Sample Cups for Residual Water</b>	Cotton swab	Commercial item
<b>Clean the Microplates Daily Method 1: Clean the Microplates with Sonication</b>	Sodium hypochlorite solution (0.3%)	
	> Clorox® bleach	> Commercial item (NA/AUS)
	> Reagent-grade sodium hypochlorite solution	> Commercial item
	Alkaline detergent solution (5%)	
	> Beckman Coulter Detergent Concentrate (5%)	> OPA1001 (NA/AUS)
	> AU Detergent (5%)	> MS028400 (2Lx5) or MS027000 (20 L) (Japan)
	> Wash Solution (5%)	> OSR0001 (EU/AP/EM)
	> Extran MA 05 (5%)	> Commercial (EU)
	Sonicator	Commercial item
	Dedicated basin for sodium hypochlorite solution (0.3%)	Commercial item
	Dedicated basin for deionized water	Commercial item
	Microplate washer	YX505300
	Drying oven or incubator (optional)	Commercial item
	Clean, dry, lint-free absorbent tissues	Commercial item

\*This document serves as a supplement to the PK7400 Instructions for Use (IFU). For maintenance procedure specific instructions, refer to the PK7400 IFU.

# PARTS LIST FOR ANALYZER MAINTENANCE

## PK7400 Automated Microplate System

### Daily Maintenance (cont.)

Maintenance Procedure	Part	Part Number
<b>Clean the Microplates Daily</b> <b>Method 2:</b> <b>Clean the Microplates without Sonication</b>	Sodium hypochlorite solution (0.3%)	
	> Clorox® bleach	> Commercial item (NA/AUS)
	> Reagent-grade sodium hypochlorite solution	> Commercial item
	Alkaline detergent solution (5%)	
	> Beckman Coulter Detergent Concentrate (5%)	> OPA1001 (NA/AUS)
	> AU Detergent (5%)	> MS028400 (2Lx5) or MS027000 (20 L) (Japan)
	> Wash Solution (5%)	> OSR0001 (EU/AP/EM)
	> Extran MA 05 (5%)	Commercial item (EU)
	Drying oven or incubator (optional)	Commercial item
	Dedicated basin for sodium hypochlorite solution (0.3%)	Commercial item
	Dedicated basin for alkaline detergent solution (5%)	Commercial item
	Dedicated basin for deionized water	Commercial item
Clean, dry, lint-free absorbent tissues	Commercial item	
<b>Rinse the Diluent Bottles</b> (Only applicable when using alkaline detergent solutions)	Alkaline detergent solution (5%)	
	> Beckman Coulter Detergent Concentrate (5%)	> OPA1001 (NA/AU)
	> AU Detergent (5%)	> MS028400 (2Lx5) or MS027000 (20 L) (Japan)
	> Wash Solution (5%)	> OSR0001 (EU/AP/EM)
<b>Wash the Reagent Vials</b>	NA	NA
	NA	NA
<b>Clean the Analyzer Surfaces</b>	Clean, dry, lint-free absorbent tissue	Commercial item
	Alcohol prep pad (70% Isopropyl alcohol)	Commercial item

### Weekly Analyzer Maintenance

Maintenance Procedure	Part	Part Number
<b>Inspect and Clean the Photodiffuser</b>	Clean, dry, lint-free absorbent tissue	Commercial item
<b>Clean the Diluent Probes</b>	Alcohol prep pad (70% Isopropyl alcohol)	Commercial item
	Stylet $\phi$ 0.3 (diameter)	MU941300
<b>Wash the Reagent Probes</b>	Sodium hypochlorite solution (0.3%)	
	> Clorox® bleach	> Commercial item (NA/AUS)
	> Reagent-grade sodium hypochlorite solution	> Commercial item
	Cleaning Solution	
	> Cleaning Solution (0.25%)	> MS036800
> Clean 99 K solution	> MD389200 (Japan)	
<b>Wash the Diluent Bottles</b>	Sodium hypochlorite solution (0.3%)	
	> Clorox® bleach	> Commercial item (NA/AUS)
> Reagent-grade sodium hypochlorite solution	> Commercial item	
<b>Auto Wash the System Tubing</b>	NA	NA

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# PARTS LIST FOR ANALYZER MAINTENANCE

## PK7400 Automated Microplate System

### Monthly Analyzer Maintenance

Maintenance Procedure	Part	Part Number
<b>Clean the Deionized Water Filter</b> (Optional: a brush can be used to clean the filter)	Clean, dry, lint-free absorbent tissue	Commercial item
	Vessel or tray	Commercial item
	Sonicator	Commercial item
<b>Clean the Washing Chambers for Sample Probes, Diluted Sample Probes and Reagent Probes</b>	Sodium hypochlorite solution (0.3%)	
	> Clorox® bleach	> Commercial item (NA/AUS)
	> Reagent-grade sodium hypochlorite solution	> Commercial item
	Cotton swab	Commercial item
	Syringe or pipette	Commercial item
<b>Clean The Humidification Water Reservoir</b>	Clean, dry, lint-free absorbent tissue	Commercial item
	Drying oven (optional)	Commercial item
<b>Inspect Air Mixing Function, if applicable</b>	Suspension of red blood cells or a colored liquid or reagent	Commercial item
	Microplate	
	> P3	> ZM047000
	> P4	> ZM062100
	> P3B prebarcoded	> MU840500 (AP)
	> P4B prebarcoded	> MU840600 (AP)
	Pipette that delivers 50 µL	Commercial item

### Every 6 Months Maintenance

Maintenance Procedure	Part	Part Number
<b>Clean the Microplates</b> <b>Method 1:</b> <b>Clean the microplates with alkaline detergent solution</b>	Alkaline detergent solution (25%)	
	> Beckman Coulter Detergent Concentrate (25%)	> OPA1001 (NA/AUS)
	> AU Detergent (25%)	> MS028400 (2Lx5) or MS027000 (20 L) (Japan)
	> Wash Solution (25%)	> OSR0001 (EU/AP/EM)
	> Extran MA 05 (25%)	> Commercial item (EU)
	Sonicator	Commercial item
	Drying oven or incubator (optional)	Commercial item
Dedicated basin for water	Commercial item	
<b>Clean the Microplates</b> <b>Method 2:</b> <b>Clean the microplates with NAOH solution</b>	NaOH aqueous solution (2.5 mol/L)	Commercial item
	Dedicated basin for NaOH aqueous solution (2.5 mol/L)	Commercial item
	Dedicated basin for deionized water	Commercial item

# PARTS LIST FOR ANALYZER MAINTENANCE

## PK7400 Automated Microplate System

### As Needed Maintenance

Maintenance Procedure	Part	Part Number
Replace the Syringes for the Sample, Reagent, Diluent and Diluted Sample Syringes Components	Clean, dry, lint-free absorbent tissue	Commercial item
	Syringe/ syringe component	
	› Sample syringe: R-syringe	› ZM136100
	› Reagent syringe: S-syringe	› ZM136000
	› Diluent syringe: R-syringe	› ZM136100
	› Diluted sample syringe: R-syringe	› ZM136100
	› Syringe case for R or S syringe	› MU837000
Replace the Sample, Reagent, and Diluted Sample Probes	Probes	
	› Plasma probe	› MU832200
	› Cell probe	› MU832300
	› Diluted sample probe	› MU832500
	› Reagent probe	› MU832600
Replace the Diluent Probes	Diluent probe	MU832400
Perform Tube-line inspection	NA	NA
Calibrate Dispensing Pressure	Cleaning Solution	
	› Cleaning Solution (0.25%)	› MS036800
	› Clean 99 K solution	› MD389200 (Japan)
	Test tubes	Commercial item
	Microplate	
	› P3	› ZM047000
	› P4	› ZM062100
	› P3B prebarcoded	› MU840500 (AP)
	› P4B prebarcoded	› MU840600 (AP)
	Normal saline (0.9%)	Commercial item
Perform an Air Elimination Procedure	NA	NA
Clean the Microplates with Vinegar	Alkaline detergent solution (5% or 25%)	
	› Beckman Coulter Detergent Concentrate (5% or 25%)	› OPA1001 (NA/AU)
	› AU Detergent (5% or 25%)	› MS028400 (2Lx5) or › MS027000 (20 L) (Japan)
	› Wash Solution (5% or 25%)	› OSR0001 (EU/AP/EM)
	› Extran MA 05 (5% or 25%)	› Commercial item (EU)
	Distilled white vinegar (50%)	Commercial item
	Sonicator	Commercial item
	Dedicated Basin for distilled white vinegar (50%)	Commercial item
Drying oven (optional)	Commercial item	
Clean the Deionized Water Tank	Clean, dry, lint-free absorbent tissue	Commercial item
	Vessel or tray	Commercial item

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