

# Laboratory & Field Instruments: Sample Cells

Sample Cells

See Inside!

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and Colorimeters**  
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***Be Right™***

# Quick Reference Guide

This **Quick Reference Guide** is designed to help select which sample cell you will need to measure a specific parameter with your instrument. For detailed images and footprints of the sample cells, see pages 88-90.

	Pocket Colorimeter	Pocket Colorimeter II	DR/800 Series*	DR/2010	DR/2400	DR/2500	DR 2700 DR 2800 DR 3800	DR/4000	DR 5000
Aluminum (Aluminon)	2427606	2427606	2401906	2095000	2401906	2401906	2495402	2665902	2495402
Aluminum (ECR)				2495402	2427606	2427606	2495402	2665902	2495402
Arsenic				2095000	2401906	2401906	2612602	2665902	2612602
Barium				2095000	2401906	2401906	2495402	2665902	2495402
Benzotriazole			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Boron (Carmine)				2095000	2401906	2401906	2495402	2665902	2495402
Bromine	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Bromine, HR	4165802	4864302							
Cadmium (Dithizone)				2095000			2612602	2612602	2612602
Chloramine (Mono), LR	4165802	4864302	4864302	4864302	5940506	5940506	5940506	4864302	4864302
Chloride				2095000	2427606	2427606	2495402	2665902	2495402
Chlorine Dioxide (Amaranth) <i>Reagents available only in Europe.</i>					2427606	2427606	2495402	2612602	2495402
Chlorine Dioxide (DPD)	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Chlorine Dioxide, LR (Chlorophenol Red)				2095000	2401906	2401906	2495402	2665902	2495402
Chlorine Dioxide, MR (Direct Reading) <i>Not available with DR 2700.</i>			2401906				2495402	2612602	2495402
Chlorine Dioxide, HR (Direct Reading)				2095000	2427606	2427606	2495402	2612602	2495402
Chlorine, Free (Indophenol)		4864302	4864302		5940506	5940506	5940506		4864302
Chlorine, Free & Total	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Chlorine, Free & Total, HR	4165802	4864302	4864302	4864302	5940506	5940506	5940506	4864302	4864302
Chlorine, Free & Total (DPD RL)				4521500	5940400	5912200	5940400		LZV479
Chlorine, Total, ULR				4521500	5940400	5912200	5940400	4807004	LZV479
Chromium, Hexavalent	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Chromium, Total			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Cobalt				2495402	2427606	2427606	2495402	2612602	2495402
Color (ADMI)								2665902	2629250 2095100 2495402
Color, Gardner								2095100	
Color, Tristimulus								2095100	
Color, True & Apparent, LR							2629250		2629250
Color, True & Apparent			2401906	2095000	2427606	2427606	2495402	2665902	2495402
Color, Yellowness Index								2095100	
Copper (Bichinchoninate)	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Copper, LR (Porphyrin)			2401906	2495402	2427606	2427606	2495402	2665902	2495402
Cyanide			2401906	2495402	2427606	2427606	2495402	2665902	2495402
Cyanuric Acid			2401906	2095000	2401906	2401906	2495402		
Fluoride (SPADNS)	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Formaldehyde				2095000	2427606	2427606	2495402	2665902	2495402
Hardness, Calcium & Magnesium (Calmagite) <i>3 cells required.</i>			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Hardness, Total, Calcium & Magnesium, ULR (Chlorophosphonazo)				2410212	5940506		2410212	2410212	2410212
Hardness, Total, ULR (Chlorophosphonazo RL)				4521500	5940400	5912200	5940400		LZV479
Hydrazine			2401906	2495402	2427606	2427606	2495402	2665902	2495402
Iodine				2495402	2427606	2427606	2495402	2665902	2495402
Iron (FerroZine)			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Iron (FerroZine RL)				4521500	5940400	5912200	5940400		LZV479
Iron, Ferrous			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Iron, Total (FerroVer)	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Iron, Total (FerroMo)			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Iron, Total (TPTZ)	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Iron, Total, HR (FerroVer)	4165802								

\*Please see page 76 for individual instrument capabilities.

# Quick Reference Guide

Sample Cells

	Pocket Colorimeter	Pocket Colorimeter II	DR/800 Series*	DR/2010	DR/2400	DR/2500	DR 2700 DR 2800 DR 3800	DR/4000	DR 5000
Lead (Dithizone)				2095000			2612602	2612602	2612602
Lead (LeadTrak)	2122800	2427606		2122800	2401906	2401906	2495402	2612602	2495402
Manganese, LR (PAN)	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Manganese, HR (Periodate Oxidation)	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Mercury				2495402	2427606	2427606	2495402	2665902	2495402
Molybdenum, LR (Ternary Complex)	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Molybdenum, HR (Ternary Complex)	2427606	2427606							
Molybdenum, HR (Mercaptoacetic Acid)			2401906	2495402	2427606	2427606	2495402	2665902	2495402
Nickel (Heptoxime)				2095000	2401906	2401906	2612602	2612602	2612602
Nickel (PAN)	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2612602	2495402
Nitrate (Direct Read UV)								2624410	4822800
Nitrate, N, LR (Cadmium Reduction)			2401906	2095000	2427606	2427606	2495402	2612602	2495402
Nitrate, N, MR (Cadmium Reduction)			2401906	2095000	2427606	2427606	2495402	2612602	2495402
Nitrate, N, HR (Cadmium Reduction)	2427606	2427606	2401906	2095000	2427606	2427606	2495402	2612602	2495402
Nitrite, N, LR (Diazotization)			2401906	2495402	2427606	2427606	2495402	2612602	2495402
Nitrite, N, HR (Ferrous Sulfate)			2401906	2495402	2427606	2427606	2495402	2612602	2495402
Nitrogen, Free Ammonia		4864302	4864302	4864302	5940506	5940506	5940506	4864302	4864302
Nitrogen, Ammonia (Nessler)				2095000	2427606	2427606	2495402	2665902	2495402
Nitrogen, Ammonia (Salicylate)	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2612602	2495402
Nitrogen, Total Kjeldahl with Nessler finish			2401906	2095000	2427606	2427606	2495402	2665902	2495402
Organic Constituents (UV-254)								2624410	4822800
Oxygen Scavengers			2401906	2095000	2401906	2401906	2495402	2665902	2495402
pH	2427606	2427606	2401906						
Phenols				2095000	2401906	2401906	2612602	2612602	2612602
Phosphonates	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Phosphorus, Reactive (Amino Acid)			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Phosphorus, Reactive, LR (Ascorbic Acid RL)				4521500	5940400	5912200	5940400	4807004	LZV479
Phosphorus, Reactive (Molybdovanadate)			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Phosphorus, Reactive, HR (Molybdovanadate RL)				4521500	5940400	5912200	5940400	4807004	LZV479
Phosphorus, Reactive (PhosVer 3)	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Potassium				2095000	2401906	2401906	2495402	2665902	2495402
Quaternary Ammonium Compounds				2095000	2401906	2401906	2495402	2665902	2495402
Selenium				2095000	2427606	2427606	2612602	2612602	2612602
Silica, ULR (Heteropoly Blue, Heteropoly Blue RL)				4521500	5940400	5912200	5940400	4807004	LZV479
Silica, LR			2401906	2495402	2427606	2427606	2495402	2665902	2495402
Silica, HR	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402
Silica, UHR			2401906						
Silver				2095000	2401906	2401906	2495402	2665902	2495402
Sodium Chromate				2095000					
Sulfate	2427606	2427606	2401906	2095000	2427606	2427606	2495402	2665902	2495402
Sulfide			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Sulfite (Colorimetric) <i>Reagents available only in Europe.</i>					2427606	2427606	2495402	2612602	2495402
Surfactants			2401906	2095000	2401906	2401906	2612602	2612602	2612602
Suspended Solids			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Tannin & Lignin			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Tolytriazole			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Trihalomethanes (THM Plus)				2427606	2427606		2495402	2427606	2495402
Turbidity			2401906	2095000					
Volatile Acids			2401906	2095000	2401906	2401906	2495402	2665902	2495402
Zinc	2427606	2427606	2401906	2495402	2427606	2427606	2495402	2665902	2495402

\*Please see page 76 for individual instrument capabilities.

# For Spectrophotometers and Colorimeters

## Sample Cells

The following pages explain our sample cells, with actual size footprints of each cell. Refer to the **Quick Reference Guide** on pages 86-87 to help select which sample cell you will need to measure a specific parameter with your instrument.

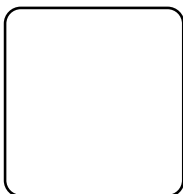
### 1" Square Glass, 25 mL, matched pair



Footprint

2 Cells

2095000



Size 1 Neoprene Stoppers (optional)

12/pack

1480801

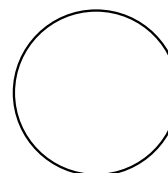
### 1" Round Tall Glass, 10 mL, cell w/cap



Footprint

6 Cells

2427606



Height = 60 mm

*1 pair of cells is included with purchase of most Pocket Colorimeter II instruments. See Quick Reference Guide for details.*

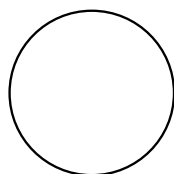
### 1" Round Short Glass, 10 mL, cell w/cap



Footprint

1 Cell

2122800



Height = 54 mm

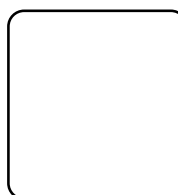
### 1" Square Glass, 10 mL, matched sets



Footprint

2 Cells

2495402



**NEW!**

Set of 8

2495408

Size 1 Neoprene Stoppers (optional)

12/pack

1480801

*1 pair of cells is included with purchase of DR 5000 UV-Vis, DR 3800, DR 2800, or DR 2700 Spectrophotometer.*

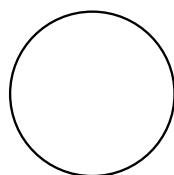
### 1" Round Glass (10, 20, 25) mL w/cap



Footprint

6 Cells

2401906



Height = 95 mm

*1 pair of cells is included with purchase of DR 800 Series Colorimeter.*

### 1" Square Glass (10 & 25) mL, matched pair w/glass stopper



Footprint

2 Cells

2612602



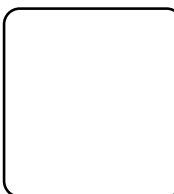
### 1" Square Polystyrene 25 mL w/caps



Footprint

2 Cells

2410222



12 Cells

2410212

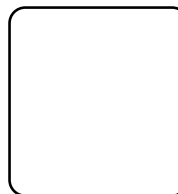
### 1" Square Glass (10 & 25) mL, matched sets



Footprint

2 Cells

2665902



4 Cells

2665904

8 Cells

2665908

Size 1 Neoprene Stoppers (optional)

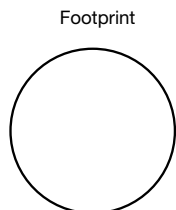
12/pack

1480801

# For Spectrophotometers and Colorimeters

Sample Cells

## 1" Round Plastic (5 & 10) mL, 1 cm pathlength w/cap



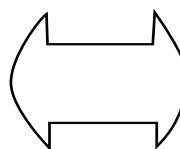
Footprint

2 Cells

4165802

For use with the original (blue) Pocket Colorimeter.

## 1" Round Plastic (5 & 10) mL, 1 cm pathlength w/cap



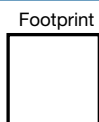
Footprint

2 Cells

4864302

1 pair of cells is included with purchase of DR/800 Series Colorimeter and select Pocket Colorimeter II instruments.

## 1 cm Square Quartz, 10 mm pathlength



Footprint

2 Cells

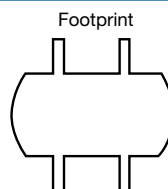
4822800

1 Cell

2624410

1 pair of cells is included with purchase of DR 5000 UV-Vis Spectrophotometer.

## 1" Round Plastic (5, 10, 25) mL, 1 cm & 1" dual pathlength w/cap



Footprint

6 Cells

5940506

## 1 cm Square Glass, 10 mm pathlength cell, matched pair

Footprint

2 Cells

2095100

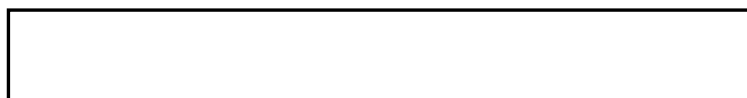


## 10 cm Rectangular Quartz, 100 mm pathlength cell

Footprint

1 Cell

2624401

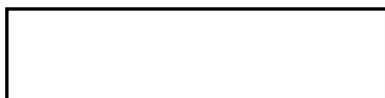


## 5 cm Rectangular Quartz, 50 mm pathlength cell

Footprint

1 Cell

2624450



## 10 cm Rectangular Glass, 100 mm pathlength cell

Footprint

1 Cell

2629201



Continued on next page.

# For Spectrophotometers and Colorimeters

## Sample Cells



### 5 cm Rectangular Glass, 50 mm pathlength cell

Footprint

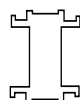
1 Cell 2629250



### 1 cm Rectangular Polystyrene 1.5 mL, 10 mm pathlength cell

Footprint

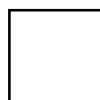
100 Cells 2629500



### 1 cm Square Polystyrene 4.5 mL, 10 mm pathlength cell

Footprint

100 Cells 2743400



# For Turbidimeters

Use these cells to assure proper performance of your Hach turbidimeter.

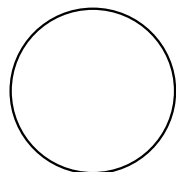
### 1" Round Glass, 30 mL, w/cap



Footprint

6 Cells

2084900



Height = 95 mm

For use with Hach Ratio 18900, 2100N and 2100AN Laboratory Turbidimeters.

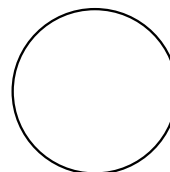
### 1" Round Glass, 30 mL cell



Footprint

6 Cells

2100300



Height = 95 mm

For use with Hach 2100A Turbidimeters.

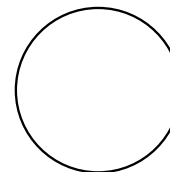
### 1" Round Glass, 10 mL, cell w/cap



Footprint

6 Cells

2434706



Height = 60 mm

For use with Hach 2100 Series Portable Turbidimeters.



**DR 5000 Pour-Thru™ Kit**  
Product No. LZV479



**DR 2800 Pour-Thru™ Kit**  
Product No. 5940400

*(Instrument not included.)*

**Prod. No. Description**

**POUR-THRU CELL KITS**

<b>LZV479</b>	Pour-Thru Module Kit (1 in.) for DR 5000
<b>4807004</b>	Flow Cell Module Kit (1 in.) for DR/4000
<b>5912200</b>	Pour-Thru Cell Kit (1 in.) for DR/2500
<b>5940400</b>	Pour-Thru Cell Kit (1 in.) for DR 3800, DR 2800, DR 2700, & DR/2400
<b>4521500</b>	Pour-Thru Cell Kit (1 in.) for DR/2010

**Prod. No. Description**

**INDIVIDUAL POUR-THRU CELLS**

<b>4521400</b>	Pour-Thru Cell (1 in.) for DR/2000 & DR/2010
<b>4931900</b>	Pour-Thru Cell (1 cm) for DR/2000 & DR/2010
<b>5941000</b>	Pour-Thru Cell (Multi-pathlength–1 in. or 1 cm) for DR 3800, DR 2800, DR 2700, & DR/2400
<b>5913700</b>	Pour-Thru Cell (1 in.) for DR/2500 & DR 5000
<b>4951400</b>	Pour-Thru Cell with adapter (1 in.) for DR/4000
<b>4953900</b>	Pour-Thru Cell with adapter (1 cm) for DR/4000
<b>A24209</b>	Pour-Thru Cell (1 cm, 160 µL quartz) for DR 5000
<b>LZV510</b>	Pour-Thru Cell (1 cm, 450 µL quartz) for DR 5000

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