

# COMPLETE LAB PACKAGES

These packages contain everything you need to measure critical brewing parameters such as VDK, Bitterness, FAN and more according to the ASBC approved methods.



## DR6000 Complete Packages with Brewery Application Software

The DR6000™ is the industry's most advanced lab spectrophotometer, offering pre-programmed ASBC and MEBAK methods.

The brewery application software contains 12 brewery methods which can be transferred to the spectrophotometer via USB. The methods are based on published and observed brewery methods and include procedures and calculations for: Anthocyanogens, Iron, Steam volatile phenols, Bitter units, Photometric iodine, Thiobarbituric acid number (TAN), Free amino nitrogen, Reductones, Vicinal diketones.

### DR6000 BREWING PACKAGE REQUIREMENTS

**Needed for: All Brewing Parameters**

LPV441.99.10002	DR6000 Lab Spectrophotometer
4822800	Sample Cell, 10 mm, Quartz Pair

**Needed for: FAN, VDK, IBU, Color**

4592590	Degass Package
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**Needed for: FAN, VDK, TP**

2936801	Analytical Balance
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**Needed for: VDK**

2265300	Distillation Apparatus
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The following pages contain the details of the specific Lab Packages for measuring: IBUs, FAN, VDK and Total Polyphenols.

## DR6000 IBU COMPLETE LAB PACKAGE

Ensure your bitterness flavor profiles are precisely what you intend by measuring IBUs.

<b>4592540</b>	<b>Complete IBU Hardware Kit</b> (Includes all items listed below, which are also available separately.)
<b>2116139</b>	Disposable Glass Centrifuge Tube, 50 mL, 72/pk
<b>2586120</b>	PTFE Centrifuge Tube Cap for 50 mL, 144/pk
<b>2876000</b>	Centrifuge, 6 x 50 mL, 115VAC
<b>1970010</b>	Tensette Pipet, 1.0-10.0 mL
<b>2199725</b>	Pipet Tip for 1970010, 250/pk
<b>2749320</b>	Poly Dropper, 5 mL, 20/pk
<b>TNT817</b>	<b>IBU TNTplus Option</b>

TNTplus™ 817 offers you the ability to test for IBU with less hassle and chemical mess. Additionally, these vials provide high quality results from potential influencers.

<b>45930</b>	<b>IBU Reagent Set</b> (Includes all items listed below, which are also available separately.)
<b>2169349</b>	Octyl Alcohol, 99%, 500 mL
<b>13449</b>	Hydrochloric Acid, ACS 500 mL
<b>1487853</b>	Iso-octane, HPLC Grade, 99.7+%, 1 L



## DR6000 FAN COMPLETE LAB PACKAGE

Simplify your fermentation efficiency by monitoring your Free Amino Nitrogen.

<b>4592550</b>	<b>Complete FAN Hardware Kit</b> (Includes all items listed below, which are also available separately.)
<b>1457442</b>	100 mL Volumetric Class A Flask
<b>1970010</b>	1.0-10.0 mL Tensette Pipet
<b>2199725</b>	Pipet Tip for 1970010, 250/pk
<b>2881500</b>	7x7" CIMAREC Digital Hot Plate, 115V
<b>2764700</b>	125 mm x 65 mm Evaporating Glass Dish
<b>4788000</b>	Total Trihalomethanes Test Cell Holder
<b>2401906</b>	10-20-25 mL Glass Sample Cell, 25 mm x 65 mm, 6/pk
<b>714424</b>	118 mL Amber Glass Bottle, 6/pk
<b>2166506</b>	White PP 22-400 Foam Liner Cap, 6/pk
<b>45950</b>	<b>FAN Reagent Set</b> (Includes all items listed below, which are also available separately.)
<b>170234</b>	Di-Sodium-Hydrogen Phosphate, 500 g
<b>17001H</b>	Potassium phosphate Mono, 454 G
<b>129523</b>	Ninhydrin, 99%, 10 g
<b>135129</b>	D-Fructose, 99%, 250 g
<b>606932</b>	Potassium Iodate, ACS, 100 g
<b>2111132</b>	Glycine, ACS, 100 g



## DR6000 VDK COMPLETE LAB PACKAGE

Avoid off-flavor in your beer and safeguard your product quality by measuring VDK.

<b>4592510</b>	<b>Complete VDK Hardware Kit</b> (Includes all items listed below, which are also available separately.)
<b>1457439</b>	10 mL Volumetric Class A Flask
<b>2928301</b>	50 mL Double Metric, Class A, Graduated Cylinder
<b>50041H</b>	50 mL Low Form Beaker
<b>TNT819</b>	<b>VDK TNTplus Option</b>
TNTplus™ 819 offers you the ability to test for the presence of VDK with less hassle and chemical mess. Additionally, these vials provide high quality results free from potential external influencers.	
<b>45910</b>	<b>VDK Reagent Set</b> (Includes all items listed below, which are also available separately.)
<b>1568232</b>	1-Naphthol, 99%, 100 g
<b>1445949</b>	Isopropyl Alcohol, ACS 500 mL
<b>2571432</b>	Creatine Monohydrate, 99%, 100 g
<b>31434</b>	Potassium Hydroxide, ACS 500 g
<b>2446732</b>	Diacetyl, 99%, 100 g



## DR6000 TOTAL POLYPHENOLS COMPLETE LAB PACKAGE

Hach confidence in your beer's color, taste and flavor profile by monitoring your Total Polyphenols.

<b>4592570</b>	<b>Complete Total Polyphenols Hardware Kit</b> (Includes all items listed below, which are also available separately.)
<b>1457453</b>	1000 mL Volumetric Class A Glass Flask
<b>1457442</b>	100 mL Volumetric Class A Glass Flask
<b>1457440</b>	25 mL Volumetric Class A Glass Flask
<b>1970010</b>	Tensette Pipet, 1.0-10.0 mL
<b>2199725</b>	Pipet Tip for 1970010, 250/pk
<b>1970001</b>	Tensette Pipet, 0.1-1.0 mL
<b>2185696</b>	Pipet Tip for 1970001, 50/pk
<b>45970</b>	<b>TP Reagent Set</b> (Includes all items listed below, which are also available separately.)
<b>27829</b>	Carboxymethylcellulose Sodium Salt (low viscosity), 250 g
<b>20426</b>	TitraVer Hardness, ACS 100 G
<b>2658625</b>	Ammonium Iron(III) Citrate (Green), 50 g
<b>10649</b>	Ammonium Hydroxide (28% as NH <sub>3</sub> ) 500 mL
<b>2052626</b>	Charcoal Activated Powder, 100 G



Contact a Hach representative for more information about these DR6000 Complete Lab Packages.



Maximum instrument uptime, warranty extension options, reliable operating and maintenance costs for confidence in your product quality.

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Be Right™