



## Your-Product® standard kit

### Intended use

The Standard Kit is intended to monitor the performance of Your-Product instrument.

### Ordering Information

Table 1

Product name:	Description:	Item number:
Your-Product	3 vials	KIT1234

For order placement, contact information, and international distributors please visit: [www.YourCompany.com](http://www.YourCompany.com).

### Kit contents

- 3 vials (Std. 1, Std. 2, Std. 3) in silver pouch
- 10 Your-Product

### Reagents

Labeled standards with excitation/emission maxima of XXX/XX nm (Std. 1, Std. 2 & Std. 3); in storage buffer; 10 mM Tris-HCL, 300 mM KCL, 1 mM EDTA, pH 7.5

### Consumables

Your-Product consumables; 10 xxxx (sufficient for XX measurements).

### Supporting products

- Your-Product
- Consumable bundle

### Instructions for use

To perform the standard sizing measurements, follow the instructions below:

1. Carefully remove the X tubes of standard sizing reagent from the pouch.
2. Mix tube contents by gently tapping side of tube.
3. Briefly spin tubes in a microcentrifuge to collect liquid at bottom of tube.
4. Carefully pipette X  $\mu$ L of Std. 1 onto the loading port of a chip and run the sample at a size range of 0.X – X nm. Record the returned hydrodynamic radius ( $R_h$ ) value.
5. Repeat step 4 using a fresh your-product.

### Instructions for use - continued

6. Carefully pipette X  $\mu$ L of Std. X onto the loading port of a chip and run the sample at a size range of X.X – X nm. Record the returned  $R_h$  value.
7. Repeat step 6 using a fresh chip.
8. Carefully pipette X  $\mu$ L of Std. X onto the loading port of a chip and run the sample at a size range of X.X – XX nm. Record the returned  $R_h$  value.
9. Repeat step 8 using a fresh chip.
10. Compare measured  $R_h$  values to reference sizes listed in Table 2, (measured  $R_h$  must fall between the minimum and maximum values).
11. If a single measurement falls outside range of  $R_h$  values listed in Table 2, repeat measurement using extra chips supplied.

Table 2: Size ranges and references for sizing standards

Standard:	Size Range (nm):	Minimum $R_h$ Value (nm):	Maximum $R_h$ value (nm):
Std. 1	0.X - X	X.XX	X.XX
Std. 2	0.X - X	X.XX	X.XX
Std. 3	0.X - X	X.XX	X.XX

### Interpretation of results

The instrument is sizing correctly, if X or more sizing standard measurements return an  $X_h$  value between the minimum and maximum values listed in Table 2.

The instrument is not sizing correctly, if 4 or less sizing standard measurements return an  $X_h$  value between the minimum and maximum values listed in Table 2. Further action should be taken, see troubleshooting section.

### Troubleshooting

If instrument is not sizing correctly consider the following actions:

- Prime the instrument 3 times as described in the user manual and repeat standard measurements using a new kit.
- Contact Technical Support at Your-Company for further advice and service options.

## Material and disposal

- Material and chemical composition:  
**Product:** Xcopolymer (COC)  
**Component 1:** PolyXX (PP)  
**Component 2:** PolyXX (PP)  
**Kit contents:**  
2-X-2-(hydroxymethyl)-1,3 - diol HydroX (XXXX),  
Potassium chloride (KCl),  
Ethylenediaminetetraacetic acid (EDTA),  
ATTO (XXX/XXX)
- Do not recycle.
- Dispose of consumables and used reagents according to local biohazardous waste regulations.

## Storage and expiration date

- Reagents must be stored from 0 to XX °C.
- Use reagents within one day once opened.
- Do not use consumables or reagents after the expiration date (refer to date on label).

**NOTE:** If consumables or reagents are used past the expiration date, results cannot be guaranteed.

## Precautions

- **PRODUCT AND REAGENTS ARE FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES.**
- Avoid contamination, which may cause erroneous results.
- **WARNING:** All biological specimens and materials with which they come into contact should be handled as if capable of transmitting infection and disposed of with proper precautions in accordance with national and local regulations. This includes adherence to the OSHA Bloodborne Pathogens Standards for blood-derived and other samples governed by this act. Never pipet by mouth. Avoid specimen contact with skin and mucous membranes.
- **CAUTION:** Exercise standard precautions when obtaining, handling, and disposing of potentially hazardous reagents.
- Exercise care to avoid cross-contamination of samples during all steps of this procedure, as this may lead to erroneous results.
- Use powder-free gloves whenever possible to minimize the introduction of powder particles into sample or cartridges.

## Safety information

All Material Safety Data Sheet(s) (MSDS) are available to download at [www.YourCompany.com](http://www.YourCompany.com).

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