

# Pyromark Q24 Reagents and Consumables

## 979202 **PyroMark Q24 cartridge (3 / Box)**

Reusable dispensing tool for nucleotide and reagents

## 979201 **PyroMark Q24 Plates (100)**

Plates are not re-useable. Partial plates should always be discarded.

## 970802 **PyroMark Gold Q24 Reagents (5 x 24)**

This is the only validated kit for PyroMark Q24. Qiagen does not recommend using a different format of PyroGold reagents, the concentrations might be different.

## 979010 **Vacuum Prep Tool Filter Probes (100 pack)**

These probes are provided by the facility; we perform their maintenance and exchange them every 50 runs.

### **8- PCR tubes Strips for Vacuum Tool Sample Preparation**

## **BUFFERS**

### 979006 **Binding buffer (200ml)**

This bottle is good for approximately 50 plates.

### 979009 **Annealing Buffer (250ml)**

This bottle is good for approx 170 MD plates.

### 979007 **Denaturation Buffer (500ml)**

This bottle is good for about 5 plates.

### 979008 **Washing Buffer 10 x (200ml)**

This bottle is good for 10-20 plates.

## **PyroMark MD Reagents and Consumables Use Guidelines**

### **979102 PSQ HS 96 Reagent Dispensing (RDT) Tip 4-pack**

RDTs are used two at a time (one for Enzyme and one for Substrate). The expected useful life of an RDT is approximately 30-50 runs.

### **979104 PSQ HS96 Capillary Dispensing (CDT) Tip 8-pack**

CDTs are used four at a time (A, C, G, and T). The expected life of the CDTs is between 30 and 50 runs.

### **979103 PSQ HS96 Nucleotide Dispensing (NDT) Tip 8-pack**

NDTs are used four at a time (A, C, G, and T). The expected life of an NDT is between 10 and 15 plates

### **979101 PSQ HS96 Plates 100 pack**

PSQ HS96 Plates are not to be re-used. Partial plates should always be discarded.

### **972804 Pyro Gold Reagents 15 x 96 kit**

### **972824 Pyro Gold Reagents 6x96 (pre diluted nucleotides) for CDTs**

*Pyro Gold reagents can also be purchased as 50 x 96 for HSA (robotic customers). Notice that 50 x 96 kits do not provide sufficient reagents for 50 "full" plates if automated batches are not run.*

### **979010 Vacuum Prep Tool Filter Probes (100 pack)**

These probes are provided by the facility; we perform their maintenance and exchange them every 50 runs.

### **ABgene PCR Plates for Vacuum Tool Sample Preparation**

These are Qiagen recommended plates because they allow capturing all the beads using the vacuum tool; however different PCR plates or PCR strips could be suitable.

AB-0800 Thermo-Fast 96 PCR plate skirted, low profile, ABgene, 25 plates/PK or

AB-0800-L Thermo-Fast 96 PCR plate skirted, low profile with black lettering, ABgene, 25 plates/PK

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## **Nucleotides Volume and Dilutions depending on the dispensation system (CDTs or NDTs) and the required Analysis software**

	<b>PyroMark Gold Q96</b>	<b>PyroMark Gold Q96</b>	<b>PyroMark Gold Q96</b>
	CDT Reagents	CDT Reagents	NDT Reagents
	<b>Cat # 972824</b>	<b>Cat # 972804</b>	<b>Cat # 972804</b>
<b>MD Software</b>	Nucleotides are pre-diluted. Always add 2x volume. If Software indicates to use 50 µl, add 100 µl. No need to dilute with TE/water.	<u>Need to dilute nucleotides before use.</u> Always add 2x volume. If software indicates to use 100 µl, then use 100 µl of nucleotides + 100 µl of TE/water.	No dilution required. Add the volume indicated by the software. If software says add 100 µl, then add 100 µl of each nucleotide.
<b>CpG Software</b>	Nucleotides are pre-diluted. No need to dilute them with TE/water. Software will provide the total volume to be used.	<u>Need to dilute nucleotides before use.</u> Software will provide the total volume to be used. If software indicates to use 100 µl, then use 50 µl of nucleotides + 50 µl of TE/water.	No dilution required. Add the volume indicated by the software. If software says add 100 µl, then add 100 µl of nucleotides.