

## Agilent 2100 生物芯片分析系统配套试剂耗材



### DNA Kits and Reagents

Part Number	Description	Quantity
5067-4626	<b>High Sensitivity DNA Kit</b> For the separation, sizing and quantification of dsDNA samples of limited abundance ranging from 50 to 7000 bp. Includes 10 chips, reagents, ladder and consumables. <i>Note: Only compatible with G2938B, G2938C and G2939A Bioanalyzer instruments.</i>	For 110 samples
5067-4627	<b>High Sensitivity DNA Reagents</b> Includes reagents and ladder; no chips.	For 10 chips
5067-1504	<b>DNA 1000 Kit</b> For sizing and quantification of dsDNA fragments ranging from 25 to 1000 bp. Includes 25 chips, reagents, ladder and consumables.	For 300 samples
5067-1505	<b>DNA 1000 Reagents</b> Includes reagents and ladder; no chips.	For 25 chips
5067-1506	<b>DNA 7500 Kit</b> For sizing and quantification of dsDNA fragments ranging from 100 to 7500 bp. Includes 25 chips, reagents, ladder and consumables.	For 300 samples
5067-1507	<b>DNA 7500 Reagents</b> Includes reagents and ladder; no chips.	For 25 chips
5067-1508	<b>DNA 12000 Kit</b> For sizing and quantification of dsDNA fragments ranging from 100 to 12000 bp. Includes 25 chips, reagents, ladder and consumables.	For 300 samples
5067-1509	<b>DNA 12000 Reagents</b> Includes reagents and ladder; no chips.	For 25 chips

### DNA Specifications

Analytical Specifications	High Sensitivity DNA	DNA 1000	DNA 7500	DNA 12000
<b>Sizing range</b>	50 – 7000 bp	25 – 1000 bp	100 – 7500 bp	100 – 12000 bp
<b>Sizing resolution</b>	50 – 600 bp: ±10 % 600 – 7000 bp: ± 20 %	25 – 100 bp: 5 bp 100 – 500 bp: 5 % 500 – 1000 bp: 10 %	100 – 1000 bp: 5 % 1000 – 7500 bp: 15 %	100 – 1000 bp: 5 % 1000 – 12000 bp: 15 %
<b>Sizing accuracy</b>	± 10 %*	± 10 %*	± 10 %*	± 15 %*
<b>Sizing reproducibility</b>	5 % CV*	5 % CV*	5 % CV*	5 % CV*
<b>Quantification accuracy</b>	20 %*	20 %*	20 %*	25 %*
<b>Quantification reproducibility</b>	50 – 2000 bp: 15% CV* 2000 – 7000 bp: 10% CV*	25 – 500 bp: 15 % CV* 500 – 1000 bp: 5 % CV*	100 – 1000 bp: 10 % CV* 1000 – 7500 bp: 5 % CV*	100 – 1000 bp: 15 % CV* 1000 – 12000 bp: 10 % CV*
<b>Quantitative range</b>	5 – 500 pg/µL*	0.5 – 50 ng/µL*	0.5 – 50 ng/µL*	0.5 – 50 ng/µL*
<b>Maximum sample buffer strength</b>	10 mM Tris 1 mM EDTA	250 mM for KCl 250 mM for NaCl 15 mM for MgCl <sub>2</sub>	250 mM for KCl 250 mM for NaCl 15 mM for MgCl <sub>2</sub>	250 mM for KCl 250 mM for NaCl 15 mM for MgCl <sub>2</sub>
<b>Physical Specifications</b>				
<b>Analysis time</b>	45 minutes	35 minutes	30 minutes	30 minutes
<b>Samples per chip</b>	11	12	12	12
<b>Sample volume</b>	1 µL	1 µL	1 µL	1 µL
<b>Kit stability</b>	Minimum 4 months (see box for storage temp.)	Minimum 4 months (see box for storage temp.)	Minimum 4 months (see box for storage temp.)	Minimum 4 months (see box for storage temp.)
<b>Kit size</b>	DNA 11/chip = 110 samples/kit	DNA 12/chip = 300 samples/kit	DNA 12/chip = 300 samples/kit	DNA 12/chip = 300 samples/kit



## RNA Kits and Reagents

Part Number	Description	Quantity
5067-1511	<b>RNA 6000 Nano Kit</b> For analysis and quantification of total RNA and mRNA samples of 25 to 500 ng/μL in concentration. Includes 25 chips, reagents, ladder and consumables.	For 300 samples
5067-1512	<b>RNA 6000 Nano Reagents</b> Includes reagents and ladder, no chips.	For 25 chips
5067-1529	<b>RNA 6000 Nano Ladder</b> Includes ladder only.	For 25 chips
5067-1513	<b>RNA 6000 Pico Kit</b> For the analysis of RNA samples of low abundance down to 50 pg/μL of total RNA or 250 pg/μL of mRNA. Includes 25 chips, reagents, ladder and consumables.	For 275 samples
5067-1514	<b>RNA 6000 Pico Reagents</b> Includes reagents and ladder, no chips.	For 25 chips
5067-1535	<b>RNA 6000 Pico Ladder</b> Includes ladder only.	For 25 chips
5067-1548	<b>Small RNA Kit</b> For the analysis and quantification of small RNA samples ranging from 6 to 150 nt in size and 50 to 2000 pg/μL in concentration. Includes 25 chips, reagents, ladder and consumables.	For 275 samples
5067-1549	<b>Small RNA Reagents</b> Includes reagents and ladder, no chips.	For 25 chips
5067-1550	<b>Small RNA Ladder</b> Includes ladder only.	For 25 chips

## RNA Specifications

Analytical Specifications	RNA 6000 Nano Total RNA	RNA 6000 Nano mRNA	RNA 6000 Pico Total RNA	RNA 6000 Pico mRNA	Small RNA
<b>Quantitative range</b>	25 – 500 ng/μL	25 – 250 ng/μL	-	-	50 – 2000 pg/μL of purified miRNA in water
<b>Qualitative range</b>	5 – 500 ng/μL	25 – 250 ng/μL	50 – 5000 pg/μL in water	250 – 5000 pg/μL in water	50 – 2000 pg/μL of purified miRNA in water
<b>Sizing range</b>	-	-	-	-	6 – 150 nt
<b>Sensitivity (signal/noise &gt; 3)</b>	5 ng/μL in water	25 ng/μL in water	50 pg/μL in water 200 pg/μL in TE	250 pg/μL in water 500 pg/μL in TE	50 pg/μL in water**
<b>Quantification reproducibility (within a chip)</b>	10 % CV	10 % CV	20 % CV	20 % CV	25 % CV
<b>Quantification accuracy*</b>	20 %	20 %	30 %	30 %	-
<b>Maximum sample buffer strength</b>	100 mM Tris 0.1 mM EDTA or 125 mM NaCl or 15 mM MgCl <sub>2</sub>	100 mM Tris 0.1 mM EDTA or 125 mM NaCl or 15 mM MgCl <sub>2</sub>	50 mM Tris 0.1 mM EDTA or 50 mM NaCl or 15 mM MgCl <sub>2</sub>	50 mM Tris 0.1 mM EDTA or 50 mM NaCl or 15 mM MgCl <sub>2</sub>	10 mM Tris 0.1 mM EDTA
<b>Physical Specifications</b>					
<b>Analysis time</b>	30 minutes	30 minutes	30 minutes	30 minutes	30 minutes
<b>Samples per chip</b>	12	12	11	11	11
<b>Sample volume</b>	1 μL	1 μL	1 μL	1 μL	1 μL
<b>Kit stability</b>	Minimum 4 months at 4 °C	Minimum 4 months at 4 °C	Minimum 4 months at 4 °C	Minimum 4 months at 4 °C	Minimum 4 months at 4 °C
<b>Kit size</b>	RNA Nano 12/chip = 300 samples/kit	RNA Nano 12/chip = 300 samples/kit	RNA Pico 11/chip = 275 samples/kit	RNA Pico 11/chip = 275 samples/kit	Small RNA 11/chip = 275 samples/kit



### Protein Kits and Reagents

Part Number	Description	Quantity
5067-1515	<b>Protein 80 Kit</b> For sizing and quantification of protein samples from 5 to 80 kDa. Includes 25 chips, reagents, ladder and consumables.	For 250 samples
5067-1516	<b>Protein 80 Reagents</b> Includes reagents and ladder; no chips.	For 25 chips
5067-1517	<b>Protein 230 Kit</b> For sizing and quantification of protein samples from 14 to 230 kDa. Includes 25 chips, reagents, ladder and consumables.	For 250 samples
5067-1518	<b>Protein 230 Reagents</b> Includes reagents and ladder; no chips.	For 25 chips
5067-1575	<b>High Sensitivity Protein 250 Kit</b> For sizing and highly sensitive quantification of protein samples from 10 to 250 kDa. Includes 10 chips, analysis and labeling reagents, and consumables. <i>Note: Only supported for G2938B, G2938C and G2939A Bioanalyzer instruments.</i>	For 100 samples
5067-1576	<b>High Sensitivity Protein 250 Reagents</b> Includes reagents for Bioanalyzer analysis; no chips.	For 10 chips
5067-1577	<b>High Sensitivity Protein 250 Labeling Kit</b> Includes reagents for labeling reaction.	For 100 samples
5067-1578	<b>High Sensitivity Protein 250 Ladder</b> Includes ladder.	For 10 chips

### Protein Specifications

Analytical specifications	Protein 80	Protein 230	High Sensitivity Protein 250
<b>Sizing range</b>	5 – 80 kDa	14 – 230 kDa	10 – 250 kDa
<b>Typical sizing resolution</b>	10 %	10 %	10 %
<b>Typical sizing accuracy</b>	10 % (CAII, BLG)	10 % (BSA, CAII)	10 % (BSA)
<b>Sizing reproducibility</b>	3 % CV (CAII, BLG)	3 % CV (BSA, CAII)	3 % CV (BSA)
<b>Sensitivity (signal/noise &gt; 3)</b>	6 ng/μL CAII in PBS 15 ng/μL BSA in PBS 10 ng/μL CAII in 0.5 M NaCl 30 ng/μL BSA in 0.5 M NaCl	6 ng/μL CAII in PBS 15 ng/μL BSA in PBS 30 ng/μL BSA in 0.5 M NaCl	1 pg/μL labeled BSA in water on chip 5 pg/μL labeled BSA in PBS on chip (Labeling reaction at 1 ng/μL of total protein)
<b>Quantitative range</b>	60 – 2000 ng/μL CAII in PBS	15 – 2000 ng/μL CAII in PBS 30 – 2000 ng/μL BSA in PBS	0.3 – 3000 ng/μL BSA
<b>Qualitative range</b>	6 – 4000 ng/μL CAII and BLG in PBS	6 – 5000 ng/μL CAII in PBS 15 – 5000 ng/μL BSA in PBS	-
<b>Quantification reproducibility</b>	20 % CV (CAII, BLG)	20 % CV (BSA, CAII)	20 % CV (BSA)
<b>Physical specifications</b>			
<b>Analysis time</b>	30 minutes	25 minutes	30 minutes
<b>Samples per chip</b>	10	10	10
<b>Sample volume</b>	4 μL	4 μL	5 μL
<b>Kit stability</b>	Minimum 4 months (see box for storage temp.)	Minimum 4 months (see box for storage temp.)	Minimum 6 months at -20 °C
<b>Kit size</b>	Protein 10/chip = 250 samples/kit	Protein 10/chip = 250 samples/kit	Protein 10/chip = 100 samples/kit



## Cell Kits

Part Number	Description	Quantity
5067-1519	<b>Cell Kit</b> For analysis of fluorescently stained cells. Includes 25 chips, reagents and consumables.	For 150 samples
5067-1520	<b>Cell Checkout Kit</b> For testing proper flow cytometry operation. Includes 7 cell chips and reagents.	For 7 chips

## Cell Specifications

Analytical Specifications	Cell
<b>Red channel</b>	Excitation range 620 – 645 nm (maximum 630 nm) Emission range 674 – 696 nm (maximum 680 nm)
<b>Blue channel</b>	Excitation range 458 – 482 nm (maximum 470 nm) Emission range 510 – 540 nm (maximum 525 nm)
<b>Detection limit</b>	5,000 MESF (red channel) 2,000,000 MESF (blue channel)
<b>Minimum cell throughput</b>	2.5 cells / second
<b>Recommended cell density</b>	$2.0 \times 10^6$ / mL (expected counts = 500 – 1,000 cells)
Physical Specifications	
<b>Analysis time</b>	30 minutes
<b>Samples per chip</b>	6
<b>Sample volume</b>	10 $\mu$ L (recommended number of cells $2 \times 10^4$ )
<b>Kit stability</b>	Minimum 4 months at 4 °C
<b>Kit size</b>	Cell 6/chip = 150 samples/kit

## Agilent 4200 TapeStation 系统配套试剂耗材

### DNA Consumables and Reagents

Part Number	Description	Quantity
<b>D1000 ScreenTape Assay – 35 bp to 1,000 bp</b>		
5067-5582	<b>D1000 ScreenTape</b> For the analysis of DNA from 35 to 1,000 bp. Includes 7 ScreenTape devices.	For 112 samples
5067-5583	<b>D1000 Reagents</b> For the analysis of DNA from 35 to 1,000 bp. Includes ladder and sample buffer. Order with 5067-5582.	For 112 samples
5067-5586	<b>D1000 Ladder</b> For the analysis of DNA from 35 to 1,000 bp. Includes 10 µL additional ladder.	
5067-5584	<b>High Sensitivity D1000 ScreenTape</b> For the high sensitivity analysis of DNA from 35 to 1,000 bp. Includes 7 ScreenTape devices.	For 112 samples
5067-5585	<b>High Sensitivity D1000 Reagents</b> For the high sensitivity analysis of DNA from 35 to 1,000 bp. Includes ladder and sample buffer. Order with 5067-5584.	For 112 samples
5067-5587	<b>High Sensitivity D1000 Ladder</b> For the analysis of DNA from 35 to 1,000 bp. Includes 20 µL additional ladder.	
<b>D5000 ScreenTape Assay – 100 bp to 5,000 bp</b>		
5067-5588	<b>D5000 ScreenTape</b> For the analysis of DNA from 100 to 5,000 bp. Includes 7 ScreenTape devices.	For 105 samples
5067-5589	<b>D5000 Reagents</b> For the analysis of DNA from 100 to 5,000 bp. Includes ladder and samples buffer. Order with 5067-5588.	For 105 samples
5067-5590	<b>D5000 Ladder</b> For the analysis of DNA from 100 to 5,000 bp. Includes 10 µL additional ladder.	
5067-5592	<b>High Sensitivity D5000 ScreenTape</b> For the high sensitivity analysis of DNA from 100 to 5,000 bp. Includes 7 ScreenTape devices.	For 105 samples
5067-5593	<b>High Sensitivity D5000 Reagents</b> For the high sensitivity analysis of DNA from 100 to 5,000 bp. Includes sample buffer and ladder. Order with 5067-5592.	For 105 samples
5067-5594	<b>High Sensitivity D5000 Ladder</b> For the high sensitivity analysis of DNA from 100 to 5,000 bp. Includes 20 µL additional ladder.	
<b>Genomic DNA ScreenTape Assay – 200 bp to &gt;60,000 bp</b>		
5067-5365	<b>Genomic DNA ScreenTape</b> For the analysis of genomic DNA from 200 to >60,000 bp. Includes 7 ScreenTape devices.	For 105 samples
5067-5366	<b>Genomic DNA Reagents</b> For the analysis of genomic DNA from 200 to >60,000 bp. Includes ladder and sample buffer. Order with 5067-5365.	For 105 samples

### DNA Specifications

Analytical Specifications	D1000 ScreenTape	High Sensitivity D1000 ScreenTape	D5000 ScreenTape	High Sensitivity D5000 ScreenTape	Genomic DNA ScreenTape
<b>Sizing range</b>	35 – 1,000 bp	35 – 1,000 bp	100 bp – 5,000 bp	100 bp – 5,000 bp	200 bp to > 60,000 bp
<b>Typical resolution</b>	35 – 300 bp: 15% 300 – 1,000 bp: 10%	35 – 300 bp: 15% 300 – 1,000 bp: 10%	400 – 5,000 bp: 15%	400 – 5,000 bp: 15%	- -
<b>Sensitivity<sup>1</sup></b>	0.1 ng/µL	5 pg/µL	0.1 ng/µL	5 pg/µL	0.5 ng/µL
<b>Sizing precision<sup>2</sup></b>	5% CV	5% CV	5% CV	10% CV	200 – 15,000 bp: 15% CV
<b>Sizing accuracy<sup>2</sup></b>	±10% <sup>4</sup>	±10% <sup>4</sup>	±10%	±15%	200 – 15,000 bp: ±15%
<b>Quantification precision</b>	0.1 – 1 ng/µL: 15% CV 1 – 50 ng/µL: 10% CV	15% CV	0.1 – 1 ng/µL: 15% CV 1 – 50 ng/µL: 10% CV	15% CV	15% CV <sup>5</sup>
<b>Quantitative accuracy<sup>3</sup></b>	±20%	±20%	±20%	±25%	±20% <sup>6</sup>
<b>Quantitative range</b>	0.1 – 50 ng/µL	10 – 1,000 pg/µL	0.1 – 50 ng/µL	10 – 1,000 pg/µL	10 – 100 ng/µL
<b>Physical Specifications</b>					
<b>Analysis time</b>	16 samples < 20 min 96 samples < 90 min	16 samples < 20 min 96 samples < 105 min	15 samples < 25 min 96 samples < 135 min	15 samples < 20 min 96 samples < 120 min	15 samples < 25 min 96 samples < 140 min
<b>Samples per consumable</b>	16	16	15	15	15
<b>Sample volume required</b>	1 µL	2 µL	1 µL	2 µL	2 µL
<b>Kit stability</b>	4 months	4 months	4 months	4 months	4 months
<b>Kit size</b>	112 samples	112 samples	105 samples	105 samples	105 samples

## RNA Consumables and Reagents

Part Number	Description	Quantity
5067-5576	<b>RNA ScreenTape</b> For analysis of total RNA down to a sensitivity of 5 ng/μL. Includes 7 ScreenTape devices.	For 112 samples
5067-5577	<b>RNA ScreenTape Sample Buffer</b> For analysis of total RNA down to a sensitivity of 5 ng/μL. Includes sample buffer. Order with 5067-5576.	For 112 samples
5067-5578	<b>RNA ScreenTape Ladder</b> For the analysis of total RNA down to a sensitivity of 5 ng/μL. Includes 10 μL ladder. Order with 5067-5576 and 5067-5577.	
5067-5579	<b>High Sensitivity RNA ScreenTape</b> For the high sensitivity analysis of total RNA down to 100 pg/μL. Includes 7 ScreenTape devices.	For 112 samples
5067-5580	<b>High Sensitivity RNA ScreenTape Sample Buffer</b> For the high sensitivity analysis of total RNA down to 100 pg/μL. Includes sample buffer. Order with 5067-5579.	For 112 samples
5067-5581	<b>High Sensitivity RNA ScreenTape Ladder</b> For the high sensitivity analysis of total RNA down to 100 pg/μL. Includes 10 μL ladder. Order with 5067-5579 and 5067-5580.	

## RNA Specifications

Analytical Specifications	RNA ScreenTape	High Sensitivity RNA ScreenTape
<b>Quality score</b>	RIN <sup>e</sup>	RIN <sup>e</sup>
<b>Sensitivity<sup>1</sup></b>	5 ng/μL	100 pg/μL
<b>RIN<sup>e</sup> functional range</b>	25 – 500 ng/μL	1,000 – 25,000 pg/μL
<b>Quantitative range</b>	25 – 500 ng/μL	500 – 10,000 pg/μL
<b>Quantitative precision</b>	10 % CV	15 % CV
<b>Quantitative accuracy<sup>2</sup></b>	±20 %	±30 %
<b>Analysis type</b>	Eukaryotic or Prokaryotic total RNA QC	Eukaryotic or Prokaryotic total RNA QC
<b>Maximum sample buffer strength</b>	200 mM Tris, 20 mM EDTA, or 50 mM NaCl	10 mM Tris, 1 mM EDTA
<b>Physical Specifications</b>		
<b>Analysis time</b>	16 samples < 20 min 96 samples < 95 min	16 samples < 35 min 96 samples < 180 min
<b>Samples per consumable</b>	16	16
<b>Sample volume required</b>	1 μL	2 μL
<b>Kit stability</b>	4 months	4 months
<b>Kit size</b>	112 samples	112 samples

Agilent 3100 OFFGEL 配套试剂耗材

## 3100 OFFGEL 配套试剂与耗材

名称	货号	产品描述	规格	备注
启动试剂盒	5188-6444	用于蛋白质或多肽的分级分离	包括 IPG 胶条, 样品槽, 密封条, 电极垫, 其他相关的所有试剂, 共 12 个样品	3 条 12 孔 pH 3-10 IPG 胶条 3 条 24 孔 pH 3-10 IPG 胶条 3 条 12 孔 pH 4-7 IPG 胶条 3 条 24 孔 pH 4-7 IPG 胶条
低分辨率 (pH 3-10) 试剂盒	5188-6425	用于蛋白质或多肽的 12 孔分级分离	包括 IPG 胶条, 样品槽, 密封条, 电极垫, 其他相关的所有试剂, 共 12 个样品	12 条 12 孔 pH 3-10 IPG 胶条
高分辨率 (pH 3-10) 试剂盒	5188-6424	用于蛋白质或多肽的 24 孔分级分离	包括 IPG 胶条, 样品槽, 密封条, 电极垫, 其他相关的所有试剂, 共 12 个样品	12 条 24 孔 pH 3-10 IPG 胶条
低分辨率 (pH 4-7) 试剂盒	5188-6427	用于蛋白质或多肽的 12 孔分级分离	包括 IPG 胶条, 样品槽, 密封条, 电极垫, 其他相关的所有试剂, 共 12 个样品	12 条 12 孔 pH 4-7 IPG 胶条
高分辨率 (pH 4-7) 试剂盒	5188-6426	用于蛋白质或多肽的 24 孔分级分离	包括 IPG 胶条, 样品槽, 密封条, 电极垫, 其他相关的所有试剂, 共 12 个样品	12 条 24 孔 pH 4-7 IPG 胶条
OFFGEL 蛋白质测试样品	5188-6428	用于测试 3100 OFFGEL 等电聚焦分级分离仪的性能	包含只聚焦到一个分离组分的单一蛋白质 (在低分辨率 pH 3-10 IPG 胶条上分离)	
12 孔样品槽系列	5188-8012	配合其它试剂使用	包括 12 个 12 孔样品槽, 密封条, 电极垫, 甘油, 矿物油和使用手册, 不包含胶条和其他试剂	配用于 12 厘米的 IPG 胶条
24 孔样品槽系列	5188-8013	配合其它试剂使用	包括 12 个 24 孔样品槽, 密封条, 电极垫, 甘油, 矿物油和使用手册, 不包含胶条和其他试剂	配用于 24 厘米的 IPG 胶条
样品托盘	G3100-60007		包括 4 个样品托盘	
电极	G3100-60002		包括 1 个固定和 1 个活动电极以及 1 个样品托盘	