

10029100 - VARIANTPlex™-HT Dx Liquid Reagents - 24 reactions

Chemistry Step	Part Number	Quantity	Part Description	Label Volume	Actual Volume	Tube Volume	Plasticware Description	Plasticware Part Number
DNA Fragmentation	10029101	1 ea	DNA Fragmentation Buffer - 24 reactions	77 µL	125 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029102	1 ea	DNA Fragmentation Enzyme - 24 reactions	116 µL	180 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
Complete End Repair	10029086	1 ea	Complete End Repair Enzyme A - 24 reactions	24 µL	40 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029087	1 ea	Complete End Repair Enzyme B - 24 reactions	3.4 µL	10 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029088	1 ea	Complete End Repair Buffer - 24 reactions	213 µL	330 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
Ligation Step 1	10029089	1 ea	Ligation Step 1 Enzyme - 24 reactions	7.2 µL	20 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029090	1 ea	Ligation Step 1 Buffer - 24 reactions	89 µL	170 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
Ligation Step 2	10029092	1 ea	Ligation Step 2 Buffer - 24 reactions	591 µL	850 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029091	1 ea	Ligation Step 2 Enzyme - 24 reactions	9.6 µL	20 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
First & Second PCR	10029094	1 ea	First PCR Buffer - 24 reactions	269 µL	415 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029095	1 ea	Second PCR Buffer - 24 reactions	269 µL	415 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029093	1 ea	PCR Enzyme - 48 reactions	38.4 µL	60 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005

10029097 - VARIANTPlex™-HT Dx Liquid Reagents - 96 reactions

Chemistry Step	Part Number	Quantity	Part Description	Label Volume	Actual Volume	Tube Volume	Plasticware Description	Plasticware Part Number
DNA Fragmentation	10029098	1 ea	DNA Fragmentation Buffer - 96 reactions	308 µL	400 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029099	1 ea	DNA Fragmentation Enzyme - 96 reactions	461 µL	600 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
Complete End Repair	10029068	1 ea	Complete End Repair Enzyme A - 96 reactions	96 µL	125 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029069	1 ea	Complete End Repair Enzyme B - 96 reactions	13.5 µL	25 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029070	1 ea	Complete End Repair Buffer - 96 reactions	851 µL	1100 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
Ligation Step 1	10029071	1 ea	Ligation Step 1 Enzyme - 96 reactions	29 µL	50 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029072	1 ea	Ligation Step 1 Buffer - 96 reactions	356 µL	570 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
Ligation Step 2	10029074	2 ea	Ligation Step 2 Buffer - 96 reactions	1190 µL	1600 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029073	1 ea	Ligation Step 2 Enzyme - 96 reactions	38.5 µL	60 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
First & Second PCR	10029076	1 ea	First PCR Buffer - 96 reactions	1076 µL	1500 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029077	1 ea	Second PCR Buffer - 96 reactions	1076 µL	1500 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029075	2 ea	PCR Enzyme - 192 reactions	154 µL	200 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005

10029078 - FUSIONPlex™-HT Dx Liquid Reagents - 24 reactions

Chemistry Step	Part Number	Quantity	Part Description	Label Volume	Actual Volume	Tube Volume	Plasticware Description	Plasticware Part Number
Random Priming	10029079	1 ea	Random Priming Buffer - 24 reactions	72 µL	150 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
First Strand Synthesis	10029082	1 ea	First Strand Synthesis Buffer - 24 reactions	72 µL	120 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029080	1 ea	First Strand Synthesis Enzyme A - 24 reactions	24 µL	40 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029081	1 ea	First Strand Synthesis Enzyme B - 24 reactions	24 µL	40 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
Second Strand Synthesis	10029085	1 ea	Second Strand Synthesis Buffer - 24 reactions	360 µL	555 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029083	1 ea	Second Strand Synthesis Enzyme A - 24 reactions	96 µL	150 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029084	1 ea	Second Strand Synthesis Enzyme B - 24 reactions	24 µL	40 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
Complete End Repair	10029086	1 ea	Complete End Repair Enzyme A - 24 reactions	24 µL	40 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029087	1 ea	Complete End Repair Enzyme B - 24 reactions	3.4 µL	10 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029088	1 ea	Complete End Repair Buffer - 24 reactions	213 µL	330 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
Ligation Step 1	10029089	1 ea	Ligation Step 1 Enzyme - 24 reactions	7.2 µL	20 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029090	1 ea	Ligation Step 1 Buffer - 24 reactions	89 µL	170 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
Ligation Step 2	10029092	1 ea	Ligation Step 2 Buffer - 24 reactions	591 µL	850 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029091	1 ea	Ligation Step 2 Enzyme - 24 reactions	9.6 µL	20 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005

First & Second PCR	10029094	1 ea	First PCR Buffer - 24 reactions	269 µL	415 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029095	1 ea	Second PCR Buffer - 24 reactions	269 µL	415 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029093	1 ea	PCR Enzyme - 48 reactions	38.4 µL	60 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005

10029096 - FUSIONPlex™-HT Dx Liquid Reagents - 96 reactions

Chemistry Step	Part Number	Quantity	Part Description	Label Volume	Actual Volume	Tube Volume	Plasticware Description	Plasticware Part Number
Random Priming	10029061	1 ea	Random Priming Buffer - 96 reactions	288 µL	460 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
First Strand Synthesis	10029064	1 ea	First Strand Synthesis Buffer - 96 reactions	288 µL	400 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029062	1 ea	First Strand Synthesis Enzyme A - 96 reactions	96 µL	135 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029063	1 ea	First Strand Synthesis Enzyme B - 96 reactions	96 µL	135 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
Second Strand Synthesis	10029064	1 ea	Second Strand Synthesis Buffer - 96 reactions	1440 µL	1850 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029065	1 ea	Second Strand Synthesis Enzyme A - 96 reactions	384 µL	500 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029066	1 ea	Second Strand Synthesis Enzyme B - 96 reactions	96 µL	125 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
Complete End Repair	10029068	1 ea	Complete End Repair Enzyme A - 96 reactions	96 µL	125 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029069	1 ea	Complete End Repair Enzyme B - 96 reactions	13.5 µL	25 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029070	1 ea	Complete End Repair Buffer - 96 reactions	851 µL	1100 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
Ligation Step 1	10029071	1 ea	Ligation Step 1 Enzyme - 96 reactions	29 µL	50 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
	10029072	1 ea	Ligation Step 1 Buffer - 96 reactions	356 µL	570 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
Ligation Step 2	10029074	2 ea	Ligation Step 2 Buffer - 96 reactions	1190 µL	1600 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029073	1 ea	Ligation Step 2 Enzyme - 96 reactions	38.5 µL	60 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005
First & Second PCR	10029076	1 ea	First PCR Buffer - 96 reactions	1076 µL	1500 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029077	1 ea	Second PCR Buffer - 96 reactions	1076 µL	1500 µL	2.0 mL	Starstedt Screw cap micro tube, 2 ml, sterile	72.694.305
	10029075	2 ea	PCR Enzyme - 192 reactions	154 µL	200 µL	0.5 mL	Starstedt Screw cap micro tube, 0.5 ml, sterile	72.730.005

10029142 - Archer™ Cleanup Reagents - 24 reactions

Chemistry Step	Part Number	Quantity	Part Description	Label Volume	Actual Volume	Tube Volume	Plasticware Description	Plasticware Part Number
Reaction Cleanup after	10029135	1 ea	Ligation Cleanup Beads - 24 reactions	1200 µL	1450 µL	2.0 mL	Starstedt Screw cap micro tube, 2.0 ml, sterile	72.694.305
Ligation Step 2	10029136	1 ea	Ligation Cleanup Buffer - 24 reactions	10.8 mL	12.75 mL	15 mL	Bottle, Nalgene, HDPE, sterile, 15 mL	342002-9050
Multiple	10029145	1 ea	Reaction Cleanup Beads - 24 reactions	11.8 mL	12.75 mL	15 mL	Bottle, Nalgene, HDPE, sterile, 15 mL	342002-9050

10029134 - Archer™ Cleanup Reagents - 96 reactions

Chemistry Step	Part Number	Quantity	Part Description	Label Volume	Actual Volume	Tube Volume	Plasticware Description	Plasticware Part Number
Reaction Cleanup after	10029135	4 ea	Ligation Cleanup Beads - 24 reactions	1200 µL	1450 µL	2.0 mL	Starstedt Screw cap micro tube, 2.0 ml, sterile	72.694.305
Ligation Step 2	10029136	1 ea	Ligation Cleanup Buffer - 96 reactions	43.2 mL	63.0 mL	125 mL	Bottle, Nalgene, HDPE, sterile, 125 mL	342089-0004
Multiple	10029137	1 ea	Reaction Cleanup Beads - 96 reactions	26.0 mL	35.2 mL	60 mL	Bottle, Nalgene, HDPE, sterile, 60 mL	342089-002

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Detailed Product Format Overview – Liquid Adapters and Indexing Primers

10029148 - Liquid Adapter Dx Kit Set A - 96 reactions

10029151 - Liquid Adapter Dx Kit Set B - 96 reactions

Chemistry Step	Part Number	Quantity	Part Description	Nominal Volume per Well	Actual Volume per Well	Plasticware Description	Plasticware Part Number
MBC Adapter Incorporation	10029146	1 ea	Liquid P5 Adapter Plate A (Index 1-96) – 1 reaction per well	2 µL	8 µL	Biorad 96-Well PCR Plates, low profile, thin wall, skirted, red/clear	HSP9611
	10029149	1 ea	Liquid P5 Adapter Plate B (Index 97-192) – 1 reaction per well	2 µL	8 µL	Biorad 96-Well PCR Plates, low profile, thin wall, skirted, red/clear	HSP9611
Second PCR	10029147	1 ea	Liquid P7 Index Plate A (Index 1-96) – 1 reaction per well	4 µL	16 µL	Biorad 96-Well PCR Plates, low profile, thin wall, skirted, white/clear	HSP9601
	10029150	1 ea	Liquid P7 Index Plate B (Index 97-192) – 1 reaction per well	4 µL	16 µL	Biorad 96-Well PCR Plates, low profile, thin wall, skirted, white/clear	HSP9601

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