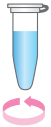
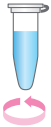
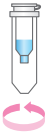
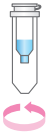
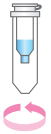
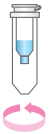
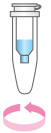
FastGene™ プラスミド ミニキット

ハイコピー／ローコピー プラスミドDNAの精製

FG-90402 100 preps , FG-90502 300 preps

	ハイコピープラスミド		ローコピープラスミド
	Fastプロトコル	スタンダードプロトコル	ローコピープロトコル
集菌	 培養液 1～3 mL >10,000 rpm 1 min 上清を除去	 培養液 1～5 mL >10,000 rpm 2 min 上清を除去	 培養液 5～10 mL >10,000 rpm 2 min 上清を除去
溶菌	 200 µL mP1※1 ボルテックス 200 µL mP2 転倒混合 室温 2 min 300 µL mP3 転倒混合	 200 µL mP1※1 ボルテックス 200 µL mP2 転倒混合 室温 2 min 300 µL mP3 転倒混合	 400 µL mP1※1 ボルテックス 400 µL mP2 転倒混合 室温 2 min 600 µL mP3 転倒混合
ライセート清澄化	 13,000 rpm 2 min	 13,000 rpm 2 min	 13,000 rpm 3 min
カラム結合	 上清を分注 13,000 rpm 30 sec	 上清を分注 13,000 rpm 30 sec	 上清750 µLを分注 13,000 rpm 30 sec ×2回
メンブレン洗浄	 150 µL mP4 + 300 µL mP5※1 13,000 rpm 3 min	 400 µL mP4 13,000 rpm 30 sec ※2 600 µL mP5※1 13,000 rpm 30 sec	 400 µL mP4 13,000 rpm 30 sec 600 µL mP5※1 13,000 rpm 30 sec
メンブレン乾燥		 13,000 rpm 2 min	 13,000 rpm 2 min
溶出	 50 µL mP6 室温2 min 13,000 rpm 2 min	 50 µL mP6 室温2 min 13,000 rpm 2 min	 50 µL mP6* (*70℃に加温) 室温2 min 13,000 rpm 2 min

※1：これらのバッファーは事前調製が必要です。 ※2：スキップも可。詳細は取扱説明書をご確認ください。

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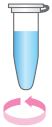
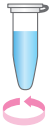
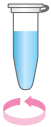
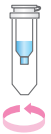
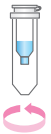
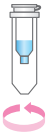
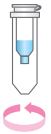
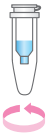
FastGene™ Plasmid mini kit

Purification of high & low copy plasmid DNA

FG-90402 100 preps , FG-90502 300 preps

	High copy plasmid		Low copy plasmid
	Fast protocol	Standard protocol	Low copy protocol
Harvest of bacteria	 ON culture 1 - 3 mL >10,000 rpm ; 1 min Remove the supernatant	 ON culture 1 - 5 mL >10,000 rpm ; 2 min Remove the supernatant	 ON culture 5 - 10 mL >10,000 rpm ; 2 min Remove the supernatant
Lysis	 ※1 200 µL of mP1 : Vortexing 200 µL of mP2 : Invert the tube 2 min at room temperature 300 µL of mP3 : Invert the tube	 ※1 200 µL of mP1 : Vortexing 200 µL of mP2 : Invert the tube 2 min at room temperature 300 µL of mP3 : Invert the tube	 ※1 400 µL of mP1 : Vortexing 400 µL of mP2 : Invert the tube 2 min at room temperature 600 µL of mP3 : Invert the tube
Lysate clarification	 13,000 rpm ; 2 min	 13,000 rpm ; 2 min	 13,000 rpm ; 3 min
Sample loading	 Load the supernatant 13,000 rpm ; 30 sec	 Load the supernatant 13,000 rpm ; 30 sec	 Load 750 µL of the supernatant 13,000 rpm ; 30 sec] ×2 times
Membrane washing	 150 µL mP4 + 300 µL mP5 ※1 13,000 rpm ; 3 min	 (400 µL of mP4 13,000 rpm ; 30 sec) ※2 600 µL of mP5 ※1 13,000 rpm ; 30 sec	 400 µL of mP4 13,000 rpm ; 30 sec 600 µL of mP5 ※1 13,000 rpm ; 30 sec
Membrane drying		 13,000 rpm ; 2 min	 13,000 rpm ; 2 min
Elution	 50 µL of mP6 2 min at room temperature 13,000 rpm ; 2 min	 50 µL of mP6 2 min at room temperature 13,000 rpm ; 2 min	 50 µL of preheated (70℃) mP6 2 min at room temperature 13,000 rpm ; 2 min

※1 : need preparation before use. ※2 : can be skipped. See detailed info in the handbook.

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