

Precise  
Typing

Simple &  
Fast

Medication  
Guide



## *Carbapenem Resistant Enterobacteriaceae Test Kit (LFA)*

### **Five-in-one: Comprehensive, Precision, Fast**

Carbapenems are atypical  $\beta$ -lactam antibiotics with the broadest antibacterial spectrum and the strongest antibacterial activity, and are one of the most important antibacterial drugs for the treatment of serious bacterial infections. This product is used for the in vitro qualitative detection of KPC, NDM, OXA-48, IMP and VIM type carbapenemases in bacterial samples obtained after culture, for the rapid identification of the presence of one or more of the five carbapenemases in bacterial samples and for the identification of patients' resistance to carbapenem antibiotics.

## Features

### Precise Typing:

One card identifies 5 carbapenemase typing

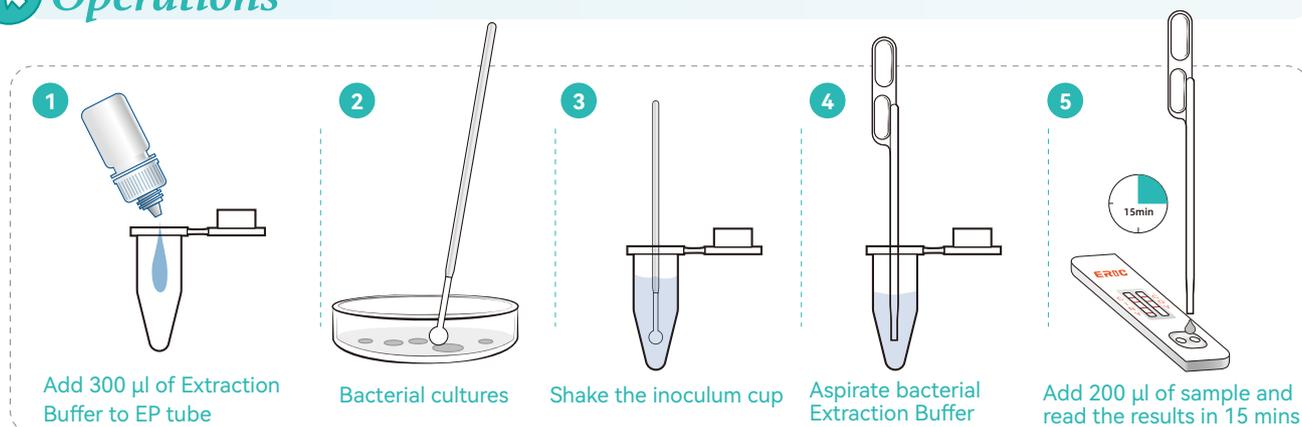
### Simple & Fast:

15 mins to read results

### Medication Guide

Prescribe quickly and accurately at the early stage of infection.

## Operations



## Clinical Data

127 strains of carbapenem-resistant Enterobacteriaceae and 108 strains of carbapenem-sensitive Enterobacteriaceae were collected from the Institute of Antibiotics, Huashan Hospital, Fudan University, and then to test whether the strains to be tested could detect the five major carbapenemases KPC, NDM, IMO, VIM and OXA-48 according to the instructions of this kit.

The results showed that 127 carbapenem-resistant Enterobacteriaceae strains, KPC, NDM, IMO, VIM and OXA-48 and KPC+NDM were detected within 15 min with 100% sensitivity; all 108 carbapenem-sensitive Enterobacteriaceae strains did not detect the five major carbapenemases with 100% specificity.

127 CRE Strains Enzyme Type Detected by Dynamiker Carbapenemase Resistance Assay

Name of Bacterial	Number strains	Enzyme type	Positive Number	Sensitivity(%)	Name of Bacterial	Number strains	Enzyme type	Positive Number	Sensitivity(%)
Acinetobacter baumannii	2	KPC	2	100.00	Klebsiella pneumoniae	2	OXA-48	2	100.00
Klebsiella aerogenes	3	NDM	3	100.00	Citrobacter fischeri	2	NDM	2	100.00
Escherichia coli	4	KPC	4	100.00	Enterobacter cholerae	1	NDM	1	100.00
	8	NDM	8	100.00	Acinetobacter haemolyticus	1	NDM	1	100.00
Pseudomonas putida	1	NDM	1	100.00	Enterobacter cloacae	1	NDM	1	100.00
	1	VIM	1	100.00		1	IMP	1	100.00
Klebsiella pneumoniae	84	KPC	84	100.00	<b>Total</b>	<b>127</b>		<b>127</b>	<b>100.00</b>
	13	NDM	13	100.00					
	1	KPC+NDM	1	100.00					

### Dynamiker Biotechnology (Tianjin) Co., Ltd.

**Add:** No.2 Building, Rongzhi Industry Park, No. 3667, Zhongbin Avenue, Sino-Singapore Eco-city, TEDA, Tianjin 300467, China

**Tel:** +86-22-25264212

**Web:** www.dynamiker.com

