

# MICRO PANEL

## NDM-1 STRAINS PANEL

The ATCC NDM-1 Strains Panel (ATCC® [MP-18™](#)) is composed of six clinical strains expressing the New Delhi metallo-β-lactamase (NDM-1) gene, *bla*<sub>NDM</sub>. Each strain demonstrates multidrug-resistance to as many as 36 representative antibiotics in a variety of drug classes, including carbapenems, β-lactams, cephalosporins, quinolones, tetracyclines, glycolcyclines, aminoglycosides, and dihydrofolate reductase inhibitors. The table below provides representative information for each strain available in the panel.

ATCC® No.	Strain Description	Strain Designation	Ertapenem (MIC ≥ 8)	Doripenem (MIC ≥ 8)	Meropenem (MIC ≥ 16)	Imipenem (MIC ≥ 16)	Nitro-furantoin	Tige-cycline	Presence of Select Virulence Genes	Strain Isolation
<a href="#">BAA-2468™</a>	<i>Enterobacter cloacae</i>	1000654	R	R	R	R	R	R	<i>bla</i> <sub>NDM</sub> <sup>+</sup> / <i>bla</i> <sub>KPC</sub> <sup>-</sup>	Urine
<a href="#">BAA-2469™</a>	<i>Escherichia coli</i>	1001728	R	R*	R	R*	S	S	<i>bla</i> <sub>NDM</sub> <sup>+</sup> / <i>bla</i> <sub>KPC</sub> <sup>-</sup>	Urine
<a href="#">BAA-2470™</a>	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i>	1002565	R	R	R	R	R	S	<i>bla</i> <sub>NDM</sub> <sup>+</sup> / <i>bla</i> <sub>KPC</sub> <sup>-</sup>	Respiratory samples
<a href="#">BAA-2471™</a>	<i>Escherichia coli</i>	1100101	R	R	R	R	S	I	<i>bla</i> <sub>NDM</sub> <sup>+</sup> / <i>bla</i> <sub>KPC</sub> <sup>-</sup>	Respiratory samples
<a href="#">BAA-2472™</a>	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i>	1100975	R	R	R	R	R	R	<i>bla</i> <sub>NDM</sub> <sup>+</sup> / <i>bla</i> <sub>KPC</sub> <sup>-</sup>	Respiratory samples
<a href="#">BAA-2473™</a>	<i>Klebsiella pneumoniae</i>	1100770	R	R	R	R	R	R	<i>bla</i> <sub>NDM</sub> <sup>+</sup> / <i>bla</i> <sub>KPC</sub> <sup>-</sup>	Urine

\*Lower MIC: Imipenem ≥8, Doripenem ≥4

R = Resistant, S = Sensitive, I = Intermediate resistance

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