



# MICRO PANEL

## BIG-SIX *ESCHERICHIA COLI* NANOLUC<sup>®</sup> STRAINS PANEL

The ATCC Big-Six *Escherichia coli* NanoLuc<sup>®</sup> Strains Panel (ATCC<sup>®</sup> [MP-21™](#)) comprises six luciferase-labeled strains designed to distinguish control strain cross-contamination from true contamination in food-based test samples. These strains represent each of the non-O157 Shiga toxin-producing *E. coli* (STEC) serogroups, including O26, O45, O103, O111, O121, and O145. Each strain has been tested by ATCC for serotype and the presence of the Shiga toxin (*stx1* and *stx2*) and intimin (*eaeA*) genes. The table below provides information for each strain available in the panel.

ATCC <sup>®</sup> No.	Strain Description	Strain Serotype	Presence of Select Virulence Genes	Reporter System
<a href="#">BAA-2580-PACK™</a>	<i>Escherichia coli</i> NanoLuc <sup>®</sup>	O26:H11	<i>stx1+</i> / <i>stx2+</i> / <i>eaeA+</i>	Luciferase
<a href="#">BAA-2581-PACK™</a>	<i>Escherichia coli</i> NanoLuc <sup>®</sup>	O45:H2	<i>stx1+</i> / <i>stx2-</i> / <i>eaeA+</i>	Luciferase
<a href="#">BAA-2582-PACK™</a>	<i>Escherichia coli</i> NanoLuc <sup>®</sup>	O103:H111	<i>stx1+</i> / <i>stx2-</i> / <i>eaeA+</i>	Luciferase
<a href="#">BAA-2583-PACK™</a>	<i>Escherichia coli</i> NanoLuc <sup>®</sup>	O111	<i>stx1+</i> / <i>stx2-</i> / <i>eaeA+</i>	Luciferase
<a href="#">BAA-2584-PACK™</a>	<i>Escherichia coli</i> NanoLuc <sup>®</sup>	O121:H19	<i>stx1-</i> / <i>stx2+</i> / <i>eaeA+</i>	Luciferase
<a href="#">BAA-2585-PACK™</a>	<i>Escherichia coli</i> NanoLuc <sup>®</sup>	O145	<i>stx1-</i> / <i>stx2+</i> / <i>eaeA+</i>	Luciferase

The data above was generated by ATCC through testing of seed stock. ATCC provides these data in good faith, but makes no warranty, express or implied, nor assumes any legal liability or responsibility for any purpose for which the data are used.

