



Quantitative Certified Reference Material for ISO 17025 Laboratories



Applications:

- Verification and validation
- Enumeration methods
- ISO 17025 laboratories requiring Certified Reference Material (CRM)

Package Details:

- Vial of 10 quantitated lyophilized microorganism pellets
- Certificate of Analysis
- Instructions for Use

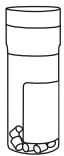
Highlights:

- Quantitative QC microorganisms one passage from the reference strains for ultimate authenticity
- For testing laboratories, ISO 6.5.2b states: “The laboratory shall ensure that measurement results are traceable to the International System of Units (SI) through certified values of certified reference materials provided by a competent producer with stated metrological traceability to the SI.”
- Available in concentrations ranging from 10^2 to 10^7 CFU per pellet
- Can be combined for a mixed microorganism population
- Easily manipulated to deliver desired CFU concentrations
- Ready-to-use format saves you time and money
- Refrigerated storage is easy and economical
- Traceability to reference cultures ensures authenticity
- Technical Support experts available for guidance

Epower™ CRM Strains and Concentrations

Strain	E2	E3	E4	E6	E7
<i>A. brasiliensis</i> derived from ATCC® 16404™*	–	0392E3-CRM	–	0392E6-CRM	–
<i>B. cereus</i> derived from ATCC® 10876™*	–	0998E3-CRM	–	–	–
<i>B. subtilis</i> subsp. <i>spizizenii</i> derived from ATCC® 6633™*	–	0486E3-CRM	0486E4-CRM	0486E6-CRM	–
<i>C. albicans</i> derived from ATCC® 10231™*	–	0443E3-CRM	–	–	0443E7-CRM
<i>C. sporogenes</i> derived from ATCC® 11437™*	–	0487E3-CRM	–	–	–
<i>E. faecalis</i> derived from ATCC® 29212™*	–	0366E3-CRM	–	–	–
<i>E. coli</i> derived from ATCC® 35218™*	–	0495E3-CRM	–	–	–
<i>E. coli</i> derived from ATCC® 51813™*	–	0791E3-CRM	0791E4-CRM	–	–
<i>K. aerogenes</i> derived from ATCC® 13048™*	–	0306E3-CRM	–	–	–
<i>K. pneumoniae</i> subsp. <i>pneumoniae</i> derived from ATCC® 10031™*	–	–	–	–	0684E7-CRM
<i>K. rhizophila</i> derived from ATCC® 9341™*	–	0688E3-CRM	0688E4-CRM	–	–
<i>L. fermentum</i> derived from ATCC® 9338™*	–	0813E3-CRM	–	–	–
<i>L. innocua</i> (6a) derived from ATCC® 33090™*	0814E2-CRM	–	–	–	–
<i>L. monocytogenes</i> (1) derived from ATCC® 19111™*	–	0277E3-CRM	–	–	–
<i>L. monocytogenes</i> (4b) derived from ATCC® 13932™*	–	0129E3-CRM	–	–	–
<i>L. monocytogenes</i> derived from ATCC® 19115™*	–	0687E3-CRM	–	–	–
<i>P. venetum</i> derived from ATCC® 16025™*	–	0794E3-CRM	–	–	–
<i>S. kudriavzevii</i> derived from ATCC® 2601™*	–	0698E3-CRM	–	–	–
<i>S. enterica</i> subsp. <i>enterica</i> serovar Typhimurium derived from ATCC® 13311™*	–	0421E3-CRM	–	–	–
<i>S. enterica</i> subsp. <i>enterica</i> serovar Typhimurium derived from ATCC® 14028™*	–	0363E3-CRM	0363E4-CRM	–	–
<i>S. aureus</i> subsp. <i>aureus</i> derived from ATCC® 25923™*	–	0360E3-CRM	0360E4-CRM	–	–
<i>S. aureus</i> subsp. <i>aureus</i> derived from ATCC® 6538™*	–	0485E3-CRM	–	–	0485E7-CRM
<i>S. epidermidis</i> derived from ATCC® 12228™*	–	0371E3-CRM	–	–	–

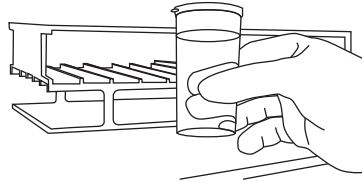
1



Remove the vial of pellets from refrigerated storage and allow to equilibrate to room temperature.

2

Prior to use, warm hydrating and dilution fluids to 34°C–38°C. Sterile pH 7.2 phosphate buffer is recommended for hydration of the lyophilized preparation.



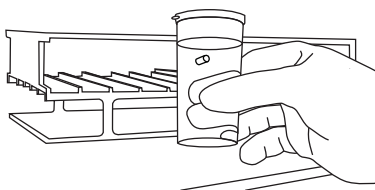
3



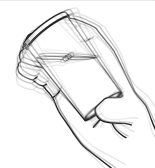
With sterile forceps, transfer the microorganism pellet(s) to the hydrating fluid. Do not remove the desiccant from vial. Immediately stopper and recap the vial and return to 2°C–8°C.

4

Place the microorganism suspension into a 34°C–38°C incubator for 30 minutes to assure complete hydration.



5



Immediately following incubation, mix hydrated material until a homogeneous suspension is achieved.

6

Proceed with the challenge according to laboratory protocol. The challenge must be completed within 30 minutes of the hydration process to avoid a change in the challenge suspension concentration.

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