Corning® Matrigel® Matrix

Generic Matrices

Having the right surface for your research sets you up for success – right from the start. When selecting a basement membrane, a key surface reagent used in many cell-based applications for both

in vitro and in vivo environments, it is important to consider all the criteria that can affect your results.

Comparison Methodology

Like any good research study, you have to compare apples to apples. The Lowry method was used in the side-by-side comparison of Matrigel matrix and generic basement membranes (BME) below.

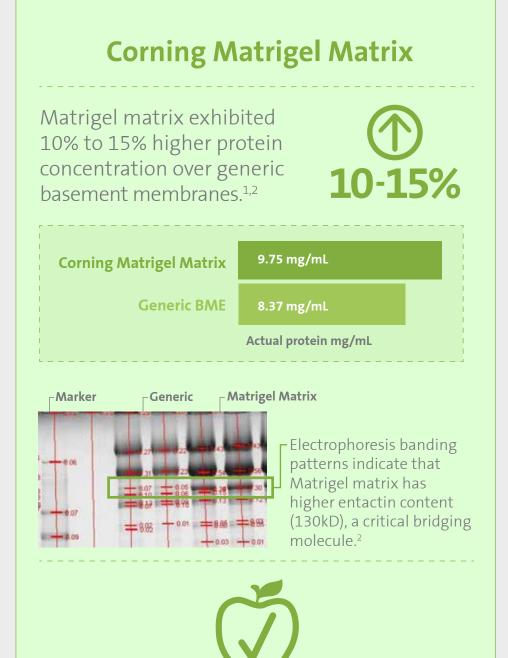


Assay method is an important factor when looking at the protein concentration of basement membrane extract (BME) products. For over 25 years, Corning has used the Folin-Lowry assay as the gold-standard in determining Corning Matrigel Matrix protein content.

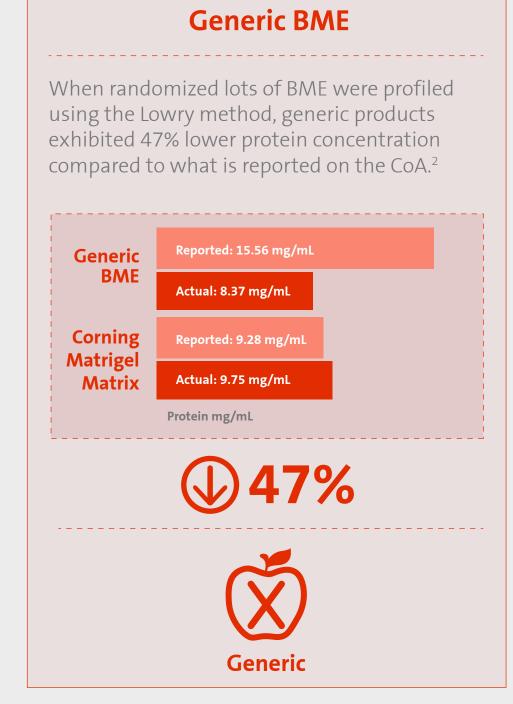


Generic brands use the Bicinchononic Acid (BCA) assay method, which results in a different read-out of protein concentration. BCA methods tend to over-estimate the amount of protein present in BME compared to Folin-Lowry assay methods.

PROTEIN CONCENTRATION



Advantage: Corning Matrigel matrix



PRODUCT CLARITY

Although generic BME suppliers may claim a higher protein concentration, in reality Matrigel matrix has a higher level of **functional protein** across multiple lots.

difference in product clarity.

Thawed phenol red-

free formulations of

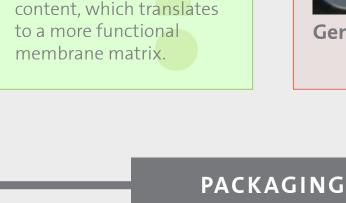
BME show a CLEAR

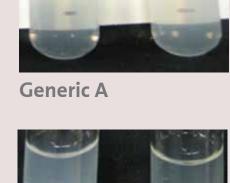






clarity is an indication of lower insoluble protein





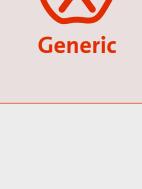
Generic B

contribute to reported protein concentration. This property may result in a less effective matrix.

Generic BMEs have higher

insoluble proteins, which

are non-functional and





Incoming raw

material testing

for LDEV

Triple in-process and end-process testing for

LDEV/LDHV (Lactose Dehydrogenase Elevating

raw material

production facility

Corning® Matrigel® Matrix



Incoming raw

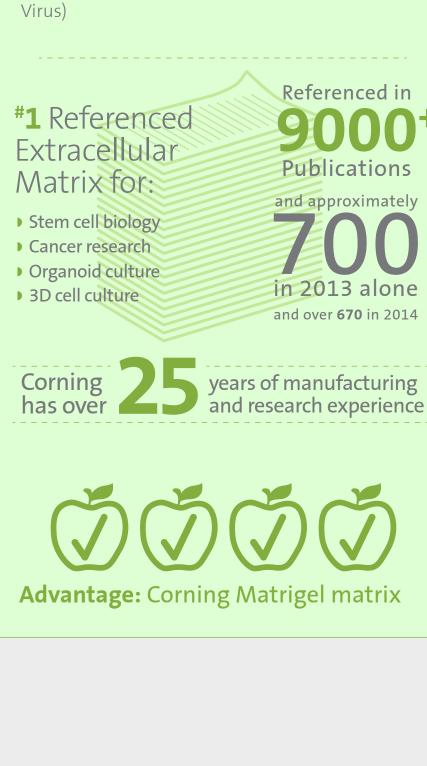
material testing

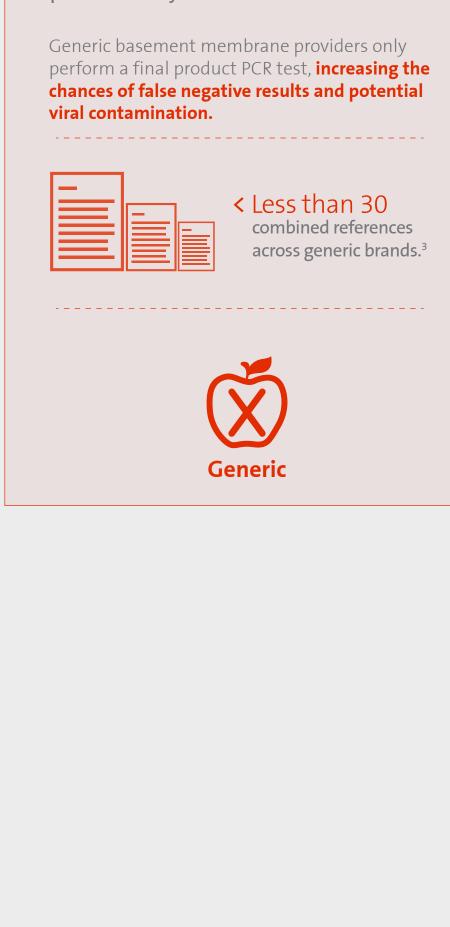
for LDEV

Final product

LDEV PCR test

Final product LDEV PCR test raw material production facility





354234 REF Matrigel® Matrix Basement Membrane 10 Milliliters DO NOT THAW SEE SPECS STORE AT -20°C

for use in Diagnostic herapeutic Procedurer

The Results:

Choose Corning® Matrigel® matrix.

CORNING

The original, proven extracellular matrix for advanced cell culture applications. Higher average protein concentration

The Original is Best.

- Lower insoluble protein content
- Maximum product integrity Most widely used and referenced