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|                                      | (                  | CERTIFICATE OF QUALITY |            |              |                    |
|--------------------------------------|--------------------|------------------------|------------|--------------|--------------------|
| Product:                             | AGAROSE LF         |                        |            |              |                    |
| Grade:                               | PFGE GRADE         |                        |            |              |                    |
| Code:                                | X174               |                        |            |              |                    |
| Appearance:                          | Fine white powder. |                        |            |              |                    |
| Mol. Formula:                        | Not Applicable     |                        |            |              |                    |
| <u>Mol. Weight:</u>                  | Not Applicable     |                        |            |              |                    |
| Description:                         |                    |                        |            |              |                    |
| <u>Assay:</u>                        |                    | <u>Min</u>             | <u>Max</u> | <u>Units</u> | <b>Disposition</b> |
| DNase                                |                    |                        | NONE       | P/F          | PASS               |
| EEO (Electroen                       | dosmosis)          |                        | 0.06       |              | PASS               |
| Endonuclease/Ligase Inhibitory Facto |                    |                        | NONE       | P/F          | PASS               |
| Gel Strength                         |                    | 2000                   |            | g/cm2        | PASS               |
| Gelling Range                        |                    | 37                     | 41         | Degrees C    | PASS               |
| Melting Range                        |                    | 93                     | 96         | Degrees C    | PASS               |
| Moisture                             |                    |                        | 8.5        | %            | PASS               |
| Protease                             |                    |                        | NONE       | P/F          | PASS               |
| RNase                                |                    |                        | NONE       | P/F          | PASS               |
| Sulfate                              |                    |                        | 0.06       | %            | PASS               |

Storage: Store at room temperature. Protect from moisture.

*X174PFGE* This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Cucker

<u>Title:</u>

Signature:

QC MANAGER

<u>6/4/2012</u>

Date: