

-continued

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<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR primer

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<400> SEQUENCE: 2

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21

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<210> SEQ ID NO 3
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33

```

What is claimed is:

1. A method of reducing the concentration of oxygen in an aqueous solution, comprising adding to the aqueous solution a reducing agent, a hemoprotein having deoxygenase activity and NO or a source of NO, and incubating the resulting solution under conditions suitable for deoxygenase activity.

2. A method of consuming NO in an aqueous solution, comprising adding an NO-consuming hemoprotein to the

aqueous solution in the presence of O₂ and a reducing agent, and incubating the resulting solution under conditions suitable for NO-consuming activity by the hemoprotein.

3. The method of claim 2 wherein the NO-consuming hemoprotein is a flavohemoglobin.

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