**6**

**1 0** 1 h o u r

**R e c o v e r e d ] ( u M**

**)**

[S-nitrosothiol

Recovered] (uM)

1 h o u r

**5**

**1 . 5**

1 d a y

1 w e e k **4**

1 d a y

1 w e e k

1 m o n t h

1 m o n t h

**1 . 0**

**0 . 5**

**[ N i t r i t e**

3 m o n t h s

**2**

6 m o n t h s

3 m o n t h s

6 m o n t h s

**0 . 0**

**0 . 2 5 0 . 5 1 1 0**

**[ N i t r i t e s p i k e d ] ( u M )**

**0**

**0.25**

**0.5**

**1.0**

**5.0**

[S-nitrosothiol spiked] (uM)

Whole blood was spiked with either sodium nitrite (left) or CysNO (right) at varying concentrations. Blood was stabilized in respective stabilization solution and flash frozen. After 1 hour, 1 day, 1 week, 1 month, 3 months, or 6 months, the solution was thawed and nitrite concentration measured by reductive chemiluminescence in tri-iodide solution. Acid Sulfanilamide and mercuric chloride were utilized to measure S-nitrosthiol concentration. Recovery of each species at every time point was >99%. N=3 samples at each time point Data are Mean ± SEM.