Electronic Supplementary Information

Methylene blue incorporated mesoporous silica microspheres based sensing scaffold for the selective voltammetric determination of riboflavin

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Fig. S1. Small angle XRD patterns of (a) SO₃H-MSM and (b) MB-SO₃H-MSM; inset shows the wide angle XRD patterns of corresponding materials.
Fig. S2. CV of GC/MB-SO$_3$H-MSM for 25 consecutive cycles.
Fig. S3. CV curves of 0.5 mM RF at GC/MB-SO$_3$H-MSM in PBS solution of pH 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0.
Fig. S4. CV responses of GC/MB-SO$_3$H-MSM for reduction of 0.5 mM RF in 0.1M pH 7.0 PBS, first and after 25 continuous cycle.
**Fig. S5.** Storage stability response of GC/MB-SO$_3$H-MSM for reduction of 0.5 mM RF after storage for 15, 30 and 45 days in air and PBS (pH 7.0) respectively.
Fig. S6. Current response of 0.5 mM RF at ten different GC/MB-SO$_3$H-MSM in 0.1M pH 7.0 PBS.