Correction to the Spine of Volume 322, Number 1 July 2007

The page range on the spine of Volume 322, Number 1 July 2007 of the Journal of Pharmacology and Experimental Therapeutics is incorrect. The correct page range is

The printer regrets this error and apologizes for any confusion or inconvenience it may have caused.

Correction to "Identification and Quantification of 2',3'-cAMP Release by the Kidney"

In the above article [Ren J, Zaichuan M, Stewart NA, and Jackson E (2009) J Pharmacol Exp Ther 328:855-865], Figs. 1 through 5 were of poor resolution in the printed issue. The online versions were not affected. The enhanced figures and their legends appear below.

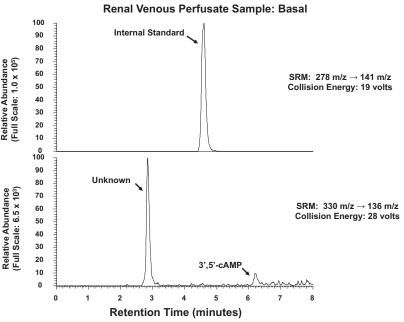


Fig. 1. LC-MS/MS SRM chromatogram of renal venous perfusate obtained from untreated, isolated, and perfused SHR kidney. Two transitions were monitored: $278 \rightarrow 141 \text{ m/z}$ for the internal standard (top), which was $^{13}\text{C}_{10}$ -adenosine; and $330 \rightarrow 136 \text{ m/z}$ for endogenous 3', 5'-cAMP (bottom). Note the prominent peak with a retention time of approximately 2.9 min (bottom), which was much too short to be 3',5'-cAMP, which has a retention time of approximately 6.3 min.

Downloaded from jpet.aspetjournals.org at ASPET Journals on April 10, 2024

Renal Venous Perfusate Sample: During Isoproterenol

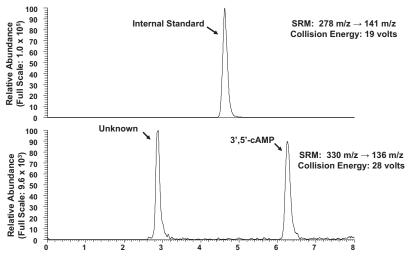


Fig. 2. Figure illustrates a chromatogram of renal venous perfusate obtained from the same kidney as in Fig. 1 but during the administration of isoproterenol (1 μ M). Two transitions were monitored: 278 \rightarrow 141 m/z for the internal standard (top), which was 13 C₁₀-adenosine; and 330 \rightarrow 136 m/z for endogenous 3′,5′-cAMP (bottom). Comparing with Fig. 1, note the marked increase in the area of the peak corresponding to 3′,5′-cAMP (6.3 min), whereas the area of the unknown peak (2.9 min) was little changed.

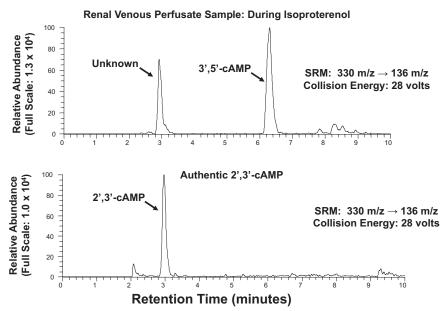


Fig. 3. Figure illustrates a chromatogram of a renal venous sample (top) versus authentic 2',3'-cAMP (bottom). The same transition was monitored in each panel: $330 \rightarrow 136 \ m/z$ for endogenous 3',5'-cAMP. Note that authentic 2',3'-cAMP had a retention time precisely that of the unknown substance.

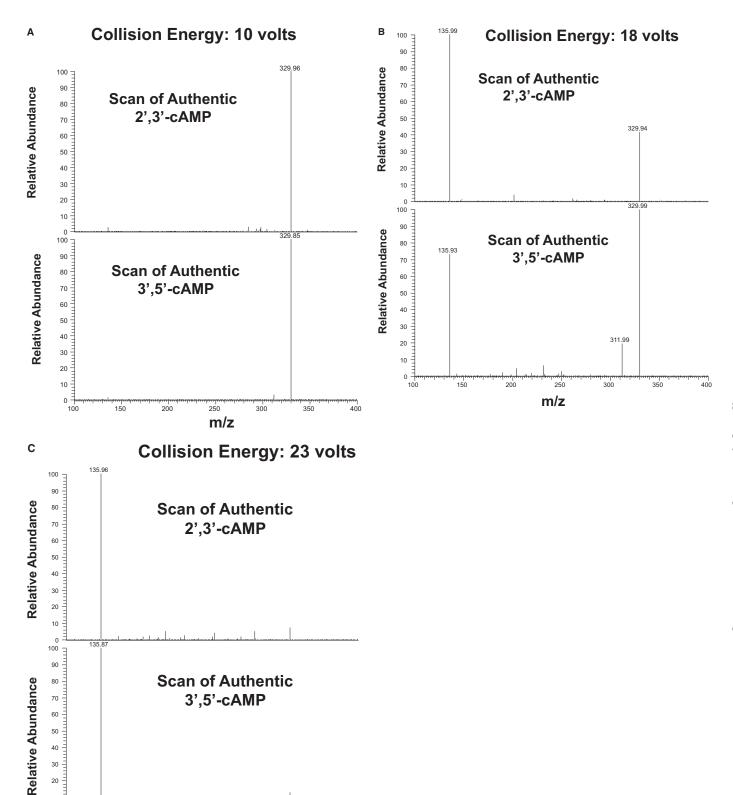


Fig. 4. A to C, mass spectrum of authentic 2',3'-cAMP and 3',5'-cAMP at different levels of collision energy (10, 18, and 23 V, respectively).

m/z

20 = 10

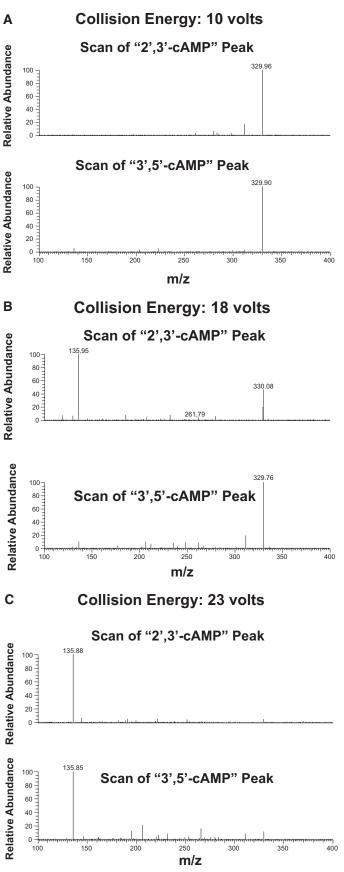


Fig. 5. A to C, mass spectrum of the putative 2',3'-cAMP peak and 3',5'-cAMP peak at different levels of collision energy (10, 18, and 23 V, respectively).

The printer regrets this error and apologizes for any confusion or inconvenience it may have caused.