CLAIMS

1. An adaptor (10) for coupling with a medical container (1) having a collar (3) closed by a septum (4), said septum having an outer surface (4a) directed towards the outside of the medical container, the adaptor comprising:

- a gripping member (20; 220) for securing the adaptor to the medical container, said gripping member being capable of being laterally mounted on the collar of said medical container;
- a pierceable elastomeric piece (30) having at least a part (31) intended to be in contact with the outer surface of the septum when said adaptor is secured on said medical container; and
- a compressive member (40; 221) for pressing said pierceable elastomeric piece onto said outer surface of the septum, when said adaptor is secured on said medical container, said compressive member being capable to transition from an inactive state, in which it does not exert pressure on said pierceable elastomeric piece, to an active state, in which it exerts pressure.

2. The adaptor (10) of claim 1, further comprising a fixing system (24, 26, 27, 29a, 45a, 46a) for preventing releasing of said gripping member and definitively securing the adaptor on said medical container.

3. The adaptor (10) of claims 1 or claim_2, further comprising a transversal wall (41a, 121, 221) connected to said gripping member, said transversal wall having a hole in which is lodged said pierceable elastomeric piece.

4. The adaptor (10) of claim 3, wherein said transversal wall (221) is proximally deflectable.

5. The adaptor (10) of any one of claims 1 to 4, wherein the gripping member is provided with a plurality of first recesses (23, 25) with sloped distal faces (23a, 25a) and of second recesses (24, 26), and the compressive member is provided with inner radial pegs (45a, 46a), said inner radial pegs (45a, 46a) being engageable with said first recesses and/or second recesses.

6. The adaptor (10) of any one of claims 1 to 5, wherein said gripping member is a lateral clipping member comprising a U-shaped element

(21) intended to be engaged on said collar via the open part of the U-shaped element, the curved part of the U-shaped element partially surrounding the collar.

7. The adaptor (10) of any one of claims 1 to 6, further comprising a cleaning pad (60, 160, 260), said cleaning pad being configured to at least partially slide on said outer surface of said septum when the adaptor is being mounted on the medical container.

8. The adaptor (10) of claim 7, wherein said transversal wall (221) is provided in the direction of free ends of the U-shaped element, with a projection provided with said cleaning pad (260).

9. The adaptor (10) of claim 7 or claim 8, wherein said cleaning pad (60) is located on a removable part of said adaptor

10. The adaptor (10) of claim 9, wherein said removable part is a portion (51) of a blister (50) surrounding said adaptor in a storage state

11. The adaptor (10) of claim 10, wherein the blister (50) is provided with front guiding projection (53).

12. The adaptor (10) of any one of claims 1 to 11, further comprising a pierceable decontamination insert (70) located proximally with respect to said elastomeric piece.

13. The adaptor (10) of any one of claims 1 to 12, wherein the pierceable elastomeric piece is self-resealing.

14. The adaptor (10) of any one of claims 1 to 13, wherein the elastomeric piece is made of a material selected from synthetic polyisoprene, natural rubber, silicone rubber, thermo-plastic elastomers, or the like or a combination thereof.

15. The adaptor (10) of any one of claims 1 to 14, wherein the pierceable elastomeric piece further comprises a material including antiseptic agents, such as silver ions or copper ions.

16. The adaptor (10) of any one of claims 1 to 15, wherein the pierceable elastomeric piece comprises a coating comprising an antiseptic agent, such as chlorhexidine di-acetate.

17. The adaptor (10) of any one of claims 6 to 16, wherein the cleaning pad comprises a disinfecting agent.

18. The adaptor (10) of any one of claims 1 to 17, further provided with a time monitoring system (500, 501, 502).

19. The adaptor (10) of claim 18, wherein a blister (50) surrounds said adaptor in a storage state, the time monitoring system (500) being capable of being triggered once the adaptor is mounted on the collar of the drug container, by a peg (54) of the blister coming in contact with the time monitoring system when a user applies a distal pressure on a shell (51) of the blister.

20. Assembly comprising a medical container (1) having a collar closed by a septum, said septum having an outer surface directed towards the outside of the medical container, and an adaptor (10) according to any one of claims 1 to 19.

21. The assembly of claim 20, wherein the septum is self-resealing.