

# OXYTOCIN, USP

## FAQ



### Here is how to extract Oxytocin Powder from Medisca's 10 mg bottle:

Oxytocin powder can be difficult to extract from its container due to its hygroscopic nature.

To remove all of the Oxytocin powder from Medisca's 10 mg bottle, the following steps can be followed:

1. Prepare a water/alcohol solution by combining and mixing the following ingredients together:
  - 3 mL Alcohol (95%), USP
  - 1 mL Purified Water, USP
2. Add 0.5 mL of the water/alcohol mixture to the bottle of Oxytocin.
3. Close cap tightly and mix gently but thoroughly for 60 seconds to "rinse" the bottle.
4. Obtain the weight of an empty weigh boat (e.g. small black weigh boat, as powder is easily visible as opposed to a white weigh boat) and then pour the contents from step 3 into it.
5. Repeat the "rinsing" procedure two additional times.
6. Place the weigh boat overnight in a controlled and undisturbed environment to allow the liquid to evaporate completely.
7. Weigh the powder that remains after drying, taking into account the weight of the empty weigh boat. A balance reaching 4 decimal points is required to accurately weigh the powder.

### References

- Oxytocin (Monograph). In: O'Neil MJ. The Merck Index 15th Edition. Whitehouse Station, NJ: Merck & Co, Inc.; 2013: 7078.
- USP <795>. United States Pharmacopeia XLIII / National Formulary 38. Rockville, MD. US Pharmacopeial Convention, Inc. 2020: 7025.