

Template  
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**Compounding Record of NaBH<sub>4</sub> solution for the [<sup>18</sup>F]DCFBC synthesis,  
 Preparation of 0.27M NaBH<sub>4</sub> solution in water NABH-L- \_\_\_\_\_**

**Raw Material Bill of Materials and Calculations Record**

| Component Name     | Internal Tracking Number (ITN) | Desired Concentration (Molarity) | Target Volume (mL) | Calculated Amount |
|--------------------|--------------------------------|----------------------------------|--------------------|-------------------|
| NaBH <sub>4</sub>  | SS-NABH-_____                  | 0.27M                            | 1                  | 10mg              |
| water (HPLC grade) | SS-HGW-_____                   |                                  |                    | 1                 |

**Applicable Operating Procedures and References:**  
**[<sup>18</sup>F]DCFBC Injection Master Batch Record**

**Materials and Equipment:**

1. Syringe, 3 mL (to deliver)
2. HPLC grade water
3. Labels
4. Final Container(s) for Mixing and Storage with appropriate Lid (1.5 mL Eppendorf tube)

**Guidelines:**

- Use clean dry graduated cylinders..

**STEPS**

1. Add 1 mL of HPLC grade water into the 1.5 mL Eppendorf tube.
2. Add 10 mg of Sodium Borohydride (SS-NABH) to final storage container and shake well to dissolve completely.
3. Cap the final storage container and mix the contents thoroughly. Label the container with the contents, date made and the initials of the person who made the solution.
4. Label with an expiration of 6-10 h. Freshly prepared for every batch of DCFBC synthesis.

**Performed By/Date:** \_\_\_\_\_ **Checked By/Date:** \_\_\_\_\_

**QA Review:** \_\_\_\_\_ **Date:** \_\_\_\_\_

|  |                      |
|--|----------------------|
| <b>Compounding Record of NaBH<sub>4</sub> solution</b> | <b>NABH-L</b>        |
| Version: V1  | Supersedes:          |
| <b>Effective Date: 12/11/2013.</b>                     |                      |
| <b>Author:</b> _____                                   | <b>Date:</b> _____ . |
| <b>Regulatory Approval:</b> _____                      | <b>Date:</b> _____ . |

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