

# Certificate of Analysis

**Product Name:** FastHyb–Hybridization Solution

**Catalog No.:** L1031250

**Lot No.:** \_\_\_\_\_

**Shipping Condition:** Shipped at Room Temperature

**Storage Condition:** Room Temperature

## Description

**FastHyb-Hybridization Solution is a ready to use solution for nuclear acid hybridization. The solution is a proprietary formulation developed by BioChain. Each lot of FastHyb-Hybridization Solution is tested by Northern and Southern hybridization to ensure quality.**

## Instruction

1. Heat the solution at 65°C to dissolve the precipitate completely if there are precipitate formed at room temperature.
2. Prehybidize the membrane (Northern blot or Southern blot or BioChain's RNA arrays) with FastHyb solution at 65°C for 2-4 hours at the about amount of 0.2 ml per cm<sup>2</sup> membrane
3. After prehybridization, change the solution with fresh FastHyb at 0.1 ml per cm<sup>2</sup> membrane, and keep at 65°C
4. Heat your probe (either radioactive or non-radioactive probes is ok) at 95°C for 3-5 minutes, and transfer on ice immediately for 5 minutes.
5. Briefly spin down the probe, and add into the FastHyb solution with the membrane.
6. Hybridize the membrane with the probe for from 2 hours to over night.
7. After hybrisization, remove the solution,

### For radioactive probe:

- Wash the membrane with 10 ml 2xSSC (0.05% SDS) for 10-15 minutes at room temperature for 3 times.
- Wash the membrane with 100 ml 0.1xSSC (0.1% SDS) for 20 minutes at 50°C for 2 times
- Expose the membrane to X-ray film for 24- 48 hours.

### For non-radioactive probe:

- Please follow the manufacturer's instructions.

## Components

1. Certificate of Analysis
2. FastHyb-Hybridization Solution 250 ml

**FOR IN VITRO RESEARCH USE ONLY**

**APPROVED BY:** \_\_\_\_\_  
