
Fusion BioLabs DNA Aptamer Development Kit (Capture-SELEX module)

SKU# DAL-02: DNA Aptamer Development Kit (Capture-SELEX module)

Product Overview

Fusion BioLabs offers a fully validated DNA Aptamer Development Kit (Capture-SELEX module) for your own DNA aptamer development. This kit is a fully validated DNA aptamer development kit, includes all of the reagents up to SELEX procedures using Fusion BioLabs developed capture-SELEX platform.

- ssDNA library oligos and primers for your primary library construction and secondary library construction for the iterative SELEX up to 15 rounds.
- Target-bound and unbound ssDNA aptamer pool partition using streptavidin magnetic beads.
- Counter and/or negative bound ssDNA aptamer pool removal using streptavidin magnetic beads.
- PCR master mix for dsDNA amplification and purification.
- ssDNA aptamer pool preparation using lambda exonuclease digestion.
- ssDNA aptamer pool purification using quick and simple column-based technology.

The DNA Aptamer Development Kit (Capture-SELEX module) is fully optimized for one Capture-SELEX project (enough for 15 rounds of SELEX) to get your DNA aptamer candidates within 4 weeks.

Kit contents

The following components are included in the Kit.

Component	Quantity
DNA Aptamer Library Kit	1 set
2xPCR Master Mix	15 ml
Streptavidin Magnetic Beads	1 ml
ssDNA pool preparation kit (15 preps)	1 set
ssDNA pool purification kit (30 preps)	1 set

- Store at -20°; reagents are guaranteed stable for 12 months when properly stored.

Kit Usage

- Primary ssDNA library construction for 1st round SELEX.



- Secondary ssDNA library construction for the iterative SELEX.
- A fully validated development kit utilizing capture-SELEX platform is available for both small and large molecular targets.