



# RNA Aptamer against Neomycin

SKU# APT-049: RNA Aptamer against Neomycin

## Background

Neomycin belongs to the aminoglycosides group of antibiotics, which functions by inhibiting bacterial protein synthesis, resulting in a bactericidal effect primarily against gram-negative bacteria. Neomycin is primarily used to treat and manage hepatic coma and perioperative prophylaxis.

**Aptamer type: RNA aptamer**

**Aptamer length: 23 bp**

**Affinity KD: 100 nM**

## Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-049-10	Single strand RNA, lyophilized powder	10 nmol
APT-049-30	Single strand RNA, lyophilized powder	30 nmol

- Store at  $-80^{\circ}$ ; reagents are guaranteed stable for 12 months when properly stored.

## References

Wallis, M.G., et al., A novel RNA motif for neomycin recognition. *Chemistry & Biology*, 1995, 2(8): 543-552.