**GT Analytics – Capsid AAV9 ELISA  
SOP-051200/ MHF RPT-000047**

Protokoll ausgedruckt am: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Geräte und Materialien

## Allgemeine Geräte

| **Bezeichnung** | **Identifikation** | **Hersteller** |
| --- | --- | --- |
| Inkubator +37°C | Heratherm IMH60; Inv.Nr. 113896 | Thermo Scientific |
| Kühlraum 5 ± 3°C | OR/04/EG-2.57B | N/A |
| Kühlschrank -60°C | KG 8153 | Biolife Solutions; SU780XLE |
| KG 6643 | Biolife Solutions; SU780XLE |

## Spezifische Geräte

□ Manuelle Durchführung

| Photometer | BioTek ELx808; Inv.Nr. 113757 |
| --- | --- |
| Waschgerät | Biotek 405LS; Inv.Nr. 113806 |

□ Automatisierte Durchführung

|  |  |
| --- | --- |
| Hamilton; Vantage 2m | SN: 1612 |
|

Verwendete Pipetten

|  |  |
| --- | --- |
| Pipetten (kalibriert) | Set Elisa 02 |

## Verbrauchsmaterialien

| **Bezeichnung** | **Details** |
| --- | --- |
| Mikrotiterplatte | Thermo scientific; NUNC MAXISORP F96 |
| Deepwellplatte 2ml | Deep Well Platte, 96 Well, PP, 2ml |

## Verwendete Reagenzien / Lösungen / Referenz / Kontrolle

| **Bezeichnung** | **Lotnummer** | **Exp.** | **Hersteller; Referenz** |
| --- | --- | --- | --- |
| Referenz | 220303\_AAV9\_ELISA\_Ref | 02.Mar 2027 | GN002960-019 |
| Kontrolle | PP686\_1912POL\_FLT (1:3,7) | 01.Aug 2024 | DFM10010 |
| Coating-Antikörper | 200213\_AAV9\_ELISA\_0AK | 12.Feb 2025 | DFM11907 |
| 1. Antikörper | 230524\_AAV9-HRP\_004325-031 | 23.May 2028 | GN004325-031 |
| Waschpuffer PBST | ORMPPBSK23501 | 19.Jan 2024 | Takeda; Buffer Prep. |
| PBS | 2561357 | 30.Nov 2025 | Gibco; 14190-094 |
| PBSB-Puffer | 230718/PBSB/1/004240-049 | 17.Jan 2024 | GN004240-049 |
| TMB-Substrat | SLCM5496 | 20.Dez 2025 | Sigma Aldrich; T0440 |
| 0,25M H2SO4 | 230621/H2S04/004240-044 | 20.Dez 2023 | GN004240-044 |

Ablaufdaten überprüft: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Durchführung

## Coating (1 Platte)

1. Verdünnung des Coating-Antikörpers: **11ml PBS + 100µl Coating-Antikörper**
2. **100µl** Coating-Lsg. pro Well
3. Inkubation:

□ über **Nacht** bei **+2-8°C**

□ für **1h** bei **+37°C**

## Vorbereitung

1. Vorverdünnungen:

* **Referenz: 1:10**
* **Kontrolle: 1:100**
* **Proben (mindestens 1:2)**

1. **1.Antikörper** mit HRP gelabelt wird **1:100** in PBSB-Puffer verdünnt
2. Substrat: **TMB** gebrauchsfertig

Referenzkurve: **0,17954 \*10^11cp/ml** 1.Std.Punkt bis **0,002805\*10^11cp/ml** 7.Std.Punkt

## Plattenbelegung

### Platte 1

| **Probe** | **Lotnummer** | **Verdünnung [1:x]** |
| --- | --- | --- |
| 01 | EDP\_2321\_H01\_T01\_CT | 10 |
| 02 | EDP\_2321\_H02\_T01\_CT | 10 |
| 03 | EDP\_2321\_H04\_T01\_CT | 10 |
| 04 | EDP\_2321\_H05\_T01\_CT | 10 |
| 05 | EDP\_2321\_H06\_T01\_CT | 10 |
| 06 | EDP\_2321\_H07\_T01\_CT | 10 |
| 07 | EDP\_2321\_H08\_T01\_CT | 10 |
| 08 | EDP\_2321\_H09\_T01\_CT | 10 |
| 09 | EDP\_2321\_H11\_T01\_CT | 10 |
| 10 | EDP\_2321\_H12\_T01\_CT | 10 |
| 11 | EDP\_2321\_H13\_T01\_CT | 10 |
| 12 | EDP\_2321\_H14\_T01\_CT | 10 |
| 13 | EDP\_2321\_H15\_T01\_CT | 10 |
| 14 | EDP\_2321\_H16\_T01\_CT | 10 |
| 15 | EDP\_2321\_H17\_T01\_CT | 10 |
| 16 | EDP\_2321\_H18\_T01\_CT | 10 |
| 17 | EDP\_2321\_H20\_T01\_CT | 10 |
| 18 | EDP\_2321\_H21\_T01\_CT | 10 |
| 19 | EDP\_2321\_H22\_T01\_CT | 10 |
| 20 | EDP\_2321\_H24\_T01\_CT | 10 |

### Platte 2

| **Probe** | **Lotnummer** | **Verdünnung [1:x]** |
| --- | --- | --- |
| 01 | EDP\_2321\_H01\_T02\_CT | 10 |
| 02 | EDP\_2321\_H02\_T02\_CT | 10 |
| 03 | EDP\_2321\_H04\_T02\_CT | 10 |
| 04 | EDP\_2321\_H05\_T02\_CT | 10 |
| 05 | EDP\_2321\_H06\_T02\_CT | 10 |
| 06 | EDP\_2321\_H07\_T02\_CT | 10 |
| 07 | EDP\_2321\_H08\_T02\_CT | 10 |
| 08 | EDP\_2321\_H09\_T02\_CT | 10 |
| 09 | EDP\_2321\_H11\_T02\_CT | 10 |
| 10 | EDP\_2321\_H12\_T02\_CT | 10 |
| 11 | EDP\_2321\_H13\_T02\_CT | 10 |
| 12 | EDP\_2321\_H14\_T02\_CT | 10 |
| 13 | EDP\_2321\_H15\_T02\_CT | 10 |
| 14 | EDP\_2321\_H16\_T02\_CT | 10 |
| 15 | EDP\_2321\_H17\_T02\_CT | 10 |
| 16 | EDP\_2321\_H18\_T02\_CT | 10 |
| 17 | EDP\_2321\_H20\_T02\_CT | 10 |
| 18 | EDP\_2321\_H21\_T02\_CT | 10 |
| 19 | EDP\_2321\_H22\_T02\_CT | 10 |
| 20 | EDP\_2321\_H24\_T02\_CT | 10 |

### Platte 3

| **Probe** | **Lotnummer** | **Verdünnung [1:x]** |
| --- | --- | --- |
| 01 | EDP\_2321\_H01\_T03\_CT | 10 |
| 02 | EDP\_2321\_H02\_T03\_CT | 10 |
| 03 | EDP\_2321\_H04\_T03\_CT | 10 |
| 04 | EDP\_2321\_H05\_T03\_CT | 10 |
| 05 | EDP\_2321\_H06\_T03\_CT | 10 |
| 06 | EDP\_2321\_H07\_T03\_CT | 10 |
| 07 | EDP\_2321\_H08\_T03\_CT | 10 |
| 08 | EDP\_2321\_H09\_T03\_CT | 10 |
| 09 | EDP\_2321\_H11\_T03\_CT | 10 |
| 10 | EDP\_2321\_H12\_T03\_CT | 10 |
| 11 | EDP\_2321\_H13\_T03\_CT | 10 |
| 12 | EDP\_2321\_H14\_T03\_CT | 10 |
| 13 | EDP\_2321\_H15\_T03\_CT | 10 |
| 14 | EDP\_2321\_H16\_T03\_CT | 10 |
| 15 | EDP\_2321\_H17\_T03\_CT | 10 |
| 16 | EDP\_2321\_H18\_T03\_CT | 10 |
| 17 | EDP\_2321\_H20\_T03\_CT | 10 |
| 18 | EDP\_2321\_H21\_T03\_CT | 10 |
| 19 | EDP\_2321\_H22\_T03\_CT | 10 |
| 20 | EDP\_2321\_H24\_T03\_CT | 10 |

Bestätigung der händischen Einträge und Test abgeschlossen am: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_